

HIGH BANDWIDTH, UNIQUELY VERSATILE

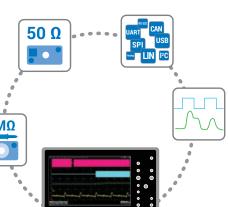


teledynelecroy.com/wavemaster

Most Capability

The most complete feature set on a high-bandwidth oscilloscope

- Both 50 Ω and 1 MΩ inputs for widest probe support
- Mixed signal acquisition capability
- Comprehensive serial triggering and decoding





Best for Serial Data & DDR

Unmatched high-speed serial tools

- Simple and powerful compliance test automation
- Interactive DDR Debug Toolkit
- Most complete eye diagram, jitter and noise analysis

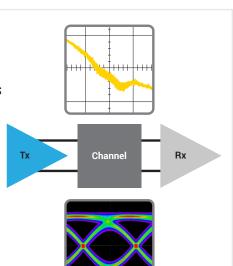




Analyze the Whole Link at Once

End-to-end link signal integrity analysis

- Import S-parameter files from WavePulser 40iX and other instruments
- De-embed fixtures and emulate channels
- Measure transmitter and receiver equalization effects





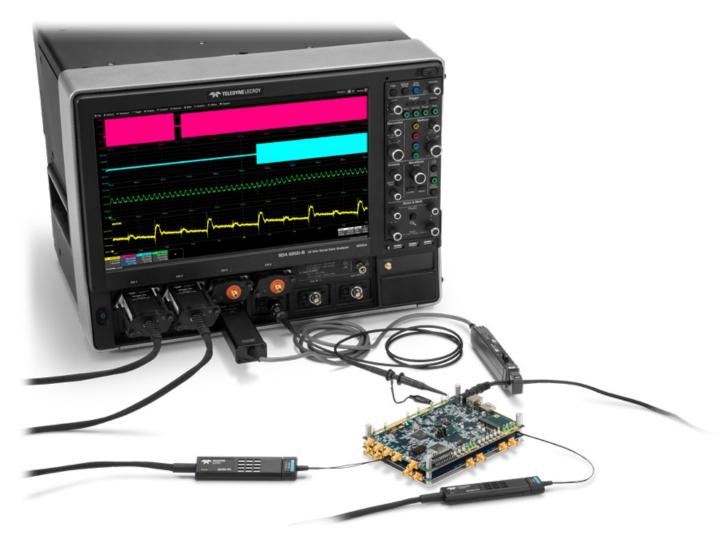


High Bandwidth, Uniquely Versatile



WaveMaster 8 Zi-B

HIGHEST CAPABILITY



WaveMaster 8 Zi-B's unique combination of high-bandwidth performance (up to 30 GHz) and general purpose features enables the most compehensive validation and debug capabilities. This one oscilloscope platform covers low-speed and high-speed embedded systems, serial data analysis, and DDR debug.

50 Ω and 1 M Ω Inputs for Widest Probe Support

WaveMaster is the only high-bandwidth oscilloscope to also provide built-in $1\ M\Omega$ inputs. This permits direct connection of passive probes, and support for the widest variety of low voltage, high voltage and current probes, all without requiring the use of expensive, add-on external adapters that reduce accuracy and go missing when you need them.

Low- and High-speed Mixed Signal Acquisition Capability

Expand your acquisition reach with mixed-signal options for low-speed digital acquisitions with up to 36 channels and 500 MHz digital clock rates or high-speed digital acquisitions with up to 18 channels and 6 Gb/s digital clock rates.

Comprehensive Low-speed Serial Data Triggers/Decoders

Comprehensive low-speed serial data triggers and decoders, plus measure/ graph and eye diagram testing, provide the best causal analysis of low-speed events. Easily correlate low-speed serial interactions with high-speed serial data or other events.

BEST FOR SERIAL DATA AND DDR

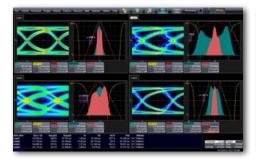
The WaveMaster 8 Zi-B is the best oscilloscope platform for high-speed serial data and memory compliance and debug. The combination of general-purpose capabilities, mixed-signal options, low-speed serial triggers/decoders and comprehensive compliance, analysis and debug software options puts you in the drivers seat.





QualiPHY Automated Compliance Testing

- Support for PCI Express®, USB, HDMI™, DisplayPort™, Ethernet, Automotive Ethernet, DDR, and many other serial data standards
- Fully automated transmitter and receiver testing and receiver test calibration
- Step-by-step instructions and automatic report generation
- Automated pass/fail test reports



Most Complete Serial Data Analysis Toolset

- Multi-lane jitter and eye analysis
- LaneScape[™] comparison modes
- Vertical noise and crosstalk analysis
- Integrated equalization, emulation and de-embedding
- Virtual probing

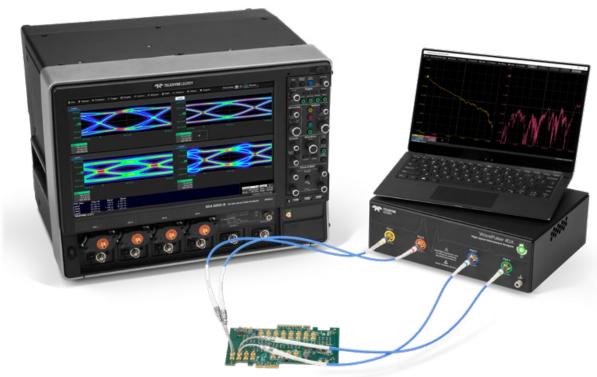


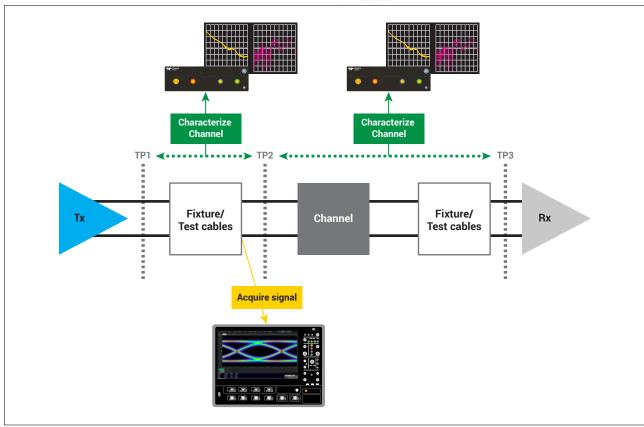
Comprehensive DDR Test Suite

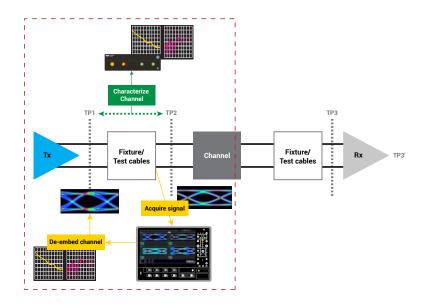
- Support for DDR/LPDDR3 through DDR/LPDDR5
- JEDEC physical layer compliance test
- Debug Toolkits provide fast problem solving during the DDR design and integration cycle
- HDA125 High-speed Digital Analyzer for flexible, mixed-signal probing
- Unmatched probing versatility up to 30 GHz

ANALYZE THE WHOLE LINK

Combining the WavePulser 40iX High-speed Interconnect Analyzer, WaveMaster 8 Zi-B oscilloscope and SDAIII-CompleteLinQ option gives the most complete signal integrity analysis toolkit available. Quickly characterize the entire signal path from transmitter to receiver, acquire high-fidelity waveforms at a convenient test point, and then easily analyze the signal at any point of interest.

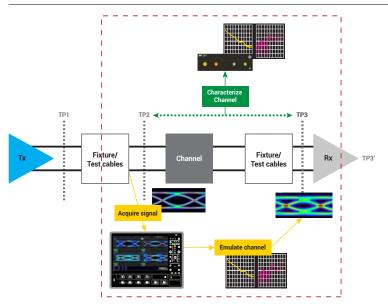






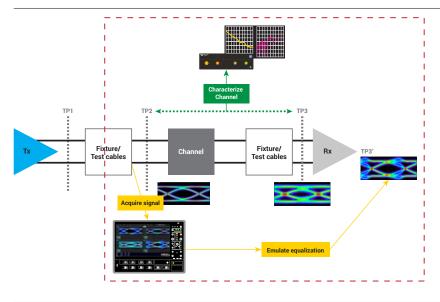
De-embed fixtures and test cables

- Measure S-parameter models using WavePulser 40iX, or import from other measurements or simulation tools
- Sophisticated Eye Doctor and VirtualProbe tools easily and accurately remove effects of fixtures and cables from acquired oscilloscope waveforms
- Apply the full SDAIII-CompeteLinQ toolkit to de-embedded waveforms for full eye, jitter and noise analysis directly at the output pins of the device under test



Emulate real-world channel losses

- WavePulser 40iX simplifies and speeds up accurate measurements of test channel loss profiles
- Channel model s-parameter files can be easily imported from the WavePulser 40iX or elsewhere into Eye Doctor and VirtualProbe tools in the oscilloscope
- Acquire waveforms at any point in the signal path, then use VirtualProbe to cleanly embed the effects of the channel
- Use the full analysis capability of SDAIII-CompleteLinQ to compare eye, jitter and noise measurements at multiple test points simultaneously

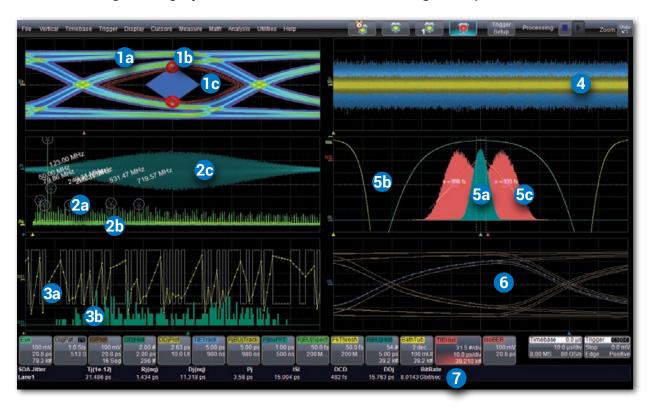


Emulate transmitter and receiver equalization

- SDAIII-CompleteLinQ with Eye Doctor enables the emulation of all common equalization types, including:
 - Transmitter emphasis
 - Receiver FFE
 - Receiver CTLE
 - Receiver DFE

SDAIII-COMPLETELINQ

The SDAIII software option provides the most comprehensive jitter decomposition, eye diagram and analysis tools with advanced signal integrity tools for emulation, de-embedding and equalization simulation.



Key Attributes

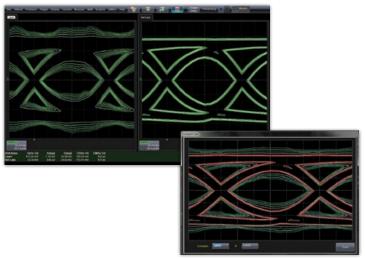
- Eye diagram (a), eye mask failure
 (b) and IsoBER eye opening analysis (c)
- Jitter spectrum (a) with noise floor display (b) and inverse FFT of the periodic jitter (c)
- Data dependent jitter (DDj) plot for each bit in synch with pattern (a) and with histogram (b)
- **4.** Time interval error (TIE) jitter track analysis
- 5. Jitter histograms (a) with bathtub curves (b) and CDF plot (c)
- **6.** Intersymbol interference (ISI) plots pinpoint bit sequences that have high ISI and are sources of bit errors
- Jitter measurements table with full details for one or more "lanes" plus reference

Advanced Signal Integrity Tools

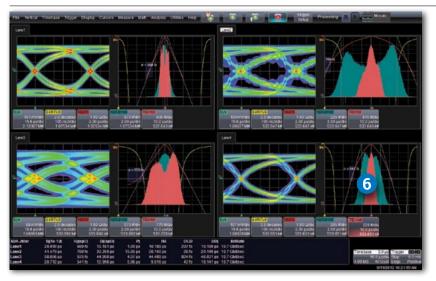
Complete set of tools for: channel emulation; fixture, cable or channel de-embedding/embedding; adding or removing emphasis; performing CTLE, FFE or DFE equalization.



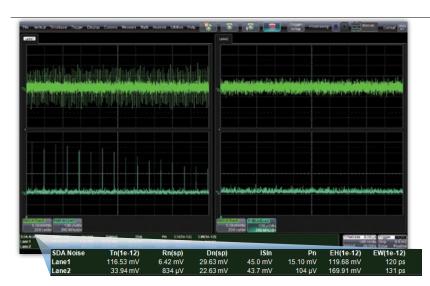
COMPREHENSIVE SERIAL DATA ANALYSIS



Use the unique crosstalk eye to view and compare noise in a way that cannot be done with a traditional eye diagram.



A comprehensive set of jitter measurements, extrapolations and decompositions, with associated views for complete understanding, provides the best capability to debug problems faster.



View noise measurements in both time and frequency domains for insight into sources of crosstalk leading to bit errors.

Fast Single or Multiple Eye Diagrams

- Up to four real-time and one reference comparison eye diagram
- Single lane with multiple-point or multiconfiguration analysis
- Analyze multiple lanes simultaneously
- Fast eye diagram creation
- Reference lane simplifies multi-scenario testing
- IsoBER displays expected eye infringement to a user-settable bit error rate (BER)
- Crosstalk eye contour plots display the impact of excessive noise

Comprehensive Jitter Decomposition & Analysis

- Complete Tj, Rj and Dj decomposition numerics on up to four lanes/configurations plus a reference
- Three different jitter decomposition models
- Complete random (Rj) and non-data dependent jitter (Rj+BUj) parameters and views
- Comprehensive data dependent jitter (DDj) analysis, including DDj plots and histograms, digital pattern display, and ISI plot by pattern
- Periodic jitter (Pj) inverse FFT
- Other jitter parameters including bounded uncorrelated jitter (BUj) and odd-even jitter (OEj)

Vertical Noise & Crosstalk Analysis

- Tools for complete aggressor/victim analysis
- Measure, extrapolate and decompose vertical noise just as you do with (horizontal) jitter
- Noise tracks, histograms and spectrums providing deep insight into noise sources
- Crosstalk eye contour plot shows probabilistic extent of noise, both inside and outside the eye

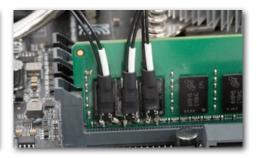
COMPREHENSIVE DDR TEST SUITE

Teledyne LeCroy offers a full line of DDR test solutions for system bring-up, debug, performance analysis and compliance. Teledyne LeCroy's DDR test suite combines the right tools for every stage of development.









Physical Layer DDR Toolkit

The DDR Debug Toolkit provides test, debug and analysis tools for the entire DDR cycle. All DDR analysis can be performed simultaneously over four different measurement views.

Physical Layer Compliance

The QualiPHY DDR packages perform all clock, electrical and timing tests to conform to the JEDEC specification.

Supports all versions of DDR/LPDDR.

Unmatched Probing Versatility

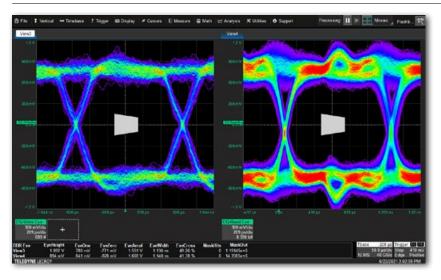
The HDA125 High-speed Digital Analyzer provides the highest-performance (18 digital inputs, up to 12.5 GS/s), most flexible mixed-signal solution for DDR debug and evaluation. Analog differential probes provide up to 30 GHz bandwidth. QuickLink probe tips work with both the HDA125 and analog probes.

COMPREHENSIVE DDR TEST SUITE



Effortless Burst Separation

- Automatic separation of Read and Write bursts eliminates time-consuming manual burst identification
- Separate bursts based on DQ-DQS skew or based on the command bus (when used with the HDA125)
- Bursted data jitter analysis
- Built-in DDR-specific measurements



Eye Diagram Analysis

- Up to 10 simultaneous eye diagrams
- Standard or custom-defined pass/fail masks
- Mask violation indicators automatically identify and locate specific unit intervals where mask violations occurred
- Built-in measurements for eye height, eye width and eye opening provide quantitative understanding of system performance
- Compare performance across multiple testing views with simultaneous eye diagrams



Enhanced Debug Capability with the HDA125

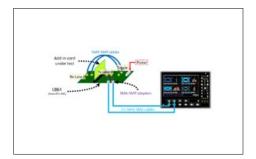
- Command bus digital acquisition capabilities
- Full DDR interface visibility simplifies transition from validation to debug
- Trigger on specific states of the command bus
- Command bus activity is tabulated and timecorrelated with the color-coded and labeled physical layer waveforms

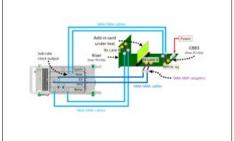
COMPLETE PCI EXPRESS® ELECTRICAL TEST SOLUTIONS

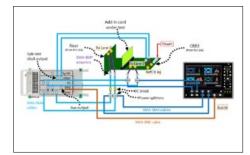
Teledyne LeCroy's PCI Express electrical test solutions combine superior instruments with sophisticated software

- Automated Transmitter, Receiver and Link Equalization (LEQ) testing with QualiPHY software options
- Visibility from physical layer through protocol operations
- WaveMaster/SDA 8 Zi-B is gold suite certified for all relevant PCI Express 3.0 (8 GT/s) tests









Transmitter (Tx) Testing

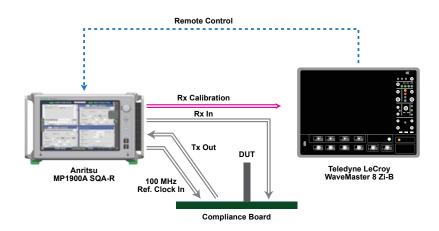
- Base specification and compliance testing for add-in cards and systems in CEM, M.2 and U.2 form factors
- QualiPHY fully automates collection and processing of transmitter waveforms
- Supports TF-PCIE4-CTRL controller for full fixture and DUT automation
- Debug electrical compliance issues faster with SDAIII-CompleteLinQ software

Receiver (Rx) Testing

- Receiver calibration and testing using the WaveMaster and Anritsu MP1900A BERT
- QualiPHY controls both the WaveMaster and MP1900A
- Use WavePulser 40iX for receiver channel characterization and calibration
- Single QualiPHY user interface for Tx and Rx testing

Link Equalization (LEQ) Testing

- Fully automated Tx and Rx LEQ testing using QualiPHY with SigTest integration
- Test, fixture and DUT automation for fast throughput without lots of manual steps
- Go directly from compliance test to cross-layer debug using ProtoSync on the WaveMaster and LTSSM analysis on the MP1900A



Superior PCle® Test Solutions

- Approved PCI-SIG gold suite solution for PCIe electrical compliance test programs
- High accuracy and repeatability due to superior signal quality
- Fastest receiver test calibration
- Complete DUT and fixture automation



Visibility from Physical Layer Through Protocol Operations

- LTSSM logging and state-machine triggering
- ProtoSync integrates industry-standard protocol display and physical-layer analysis
- Go directly from Link Equalization compliance tests to deep debug

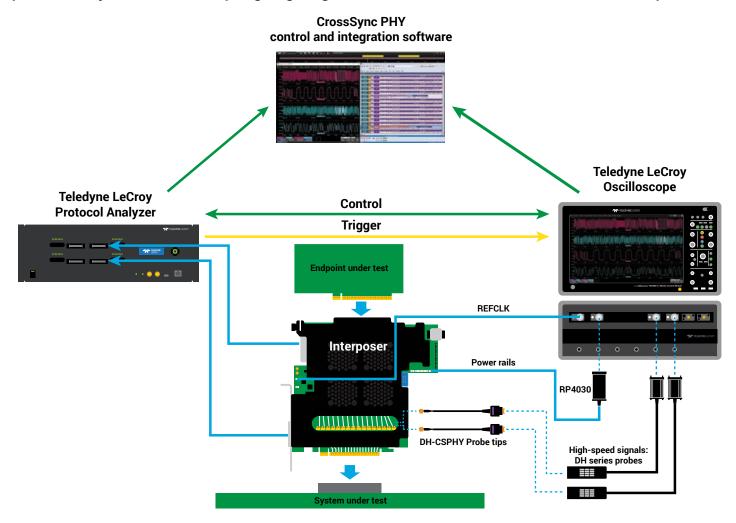


Looking for PCle 4.0, 5.0, or 6.0?

- LabMaster 10 Zi-A oscilloscope supports electrical Tx and Rx compliance test solutions for PCle 5.0, 4.0, 3.0 and below
- PAM4 analysis capability for future PCIe 6.0 technology and beyond
- ProtoSync protocol analysis software provides a view of the complete protocol stack, from physical layer to transaction layer

*Cross*Sync[™]PHY

Interoperability issues can lead to finger-pointing exercises that cost money and time-to-market. Teledyne LeCroy CrossSync PHY software and interposers merge the functions of your Teledyne LeCroy PCI Express protocol analyzer and oscilloscope - giving insight into link behavior that no other instrument can provide.



Validate and debug active link operation

- CrossSync PHY capable interposers enable observation of both electrical and protocol behavior without disturbing the link
- Sideband signals, reference clock and power rails are all easily accessible to oscilloscope probes
- Optional high-bandwidth oscilloscope probing points for PCI Express data lanes

Quickly resolve interoperability issues by capturing the entire protocol stack

- Trigger protocol analyzer and oscilloscope captures on the same high-level event
- Easily measure timing relationships between protocol and electrical domains
- Faster root-cause analysis means fewer costly finger-pointing exercises

Analyze link training with integrated physical and protocol views

- Observe electrical-level results of protocol-level commands
- Combined navigation means always knowing which protocol and electrical behaviors happen at the same time
- No single instrument can deliver this level of cross-layer insight into link training behavior

The CrossSync PHY software option for your Teledyne LeCroy oscilloscope enables precise, intuitive navigation between time-correlated protocol analyzer and oscilloscope traces.

Oscilloscope timebase and protocol analyzer acquisition window remain synchronized while navigating through the combined acquisition, for total confidence in timing behavior.



CrossSync PHY capability enhances Teledyne LeCroy's industry-leading set of PCI Express protocol analysis interposers by adding high-fidelity oscilloscope probing points with simple and convenient signal access.

Easily probe and observe:

- High-speed data signals
- Reference clock behavior
- Power rail voltage and current
- Sideband signals



PCI Express 4.0 x4 M.2 M-Key Interposer



PCI Express 5.0 CEM x16 Interposer

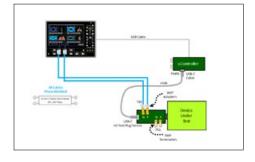
USB AND USB TYPE-C® ELECTRICAL TEST SOLUTIONS

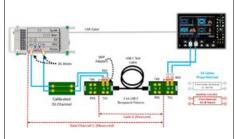
In 2011, Teledyne LeCroy became the first USB-IF approved "Gold Suite" for USB 3.0 at 5 Gb/s. Today, the USB Type-C connector carries multiple lanes up to 20 Gb/s data supporting USB4®, USB 3.2, Thunderbolt™ 3/4 and DisplayPort™ 2.0 standards. Teledyne LeCroy continues to be the trusted leader with:

- USB-IF approved "Gold Suite" PHY Tx/Rx compliance testing
- VESA approved DisplayPort over USB Type-C compliance testing
- The deepest signal integrity toolbox
- Unmatched PHY-logic and USB Type-C sideband debug











"Gold Suite" PHY Compliance

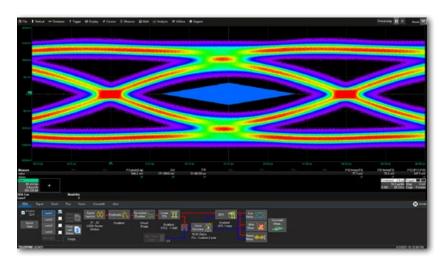
- QualiPHY software automates all USB-C standard Transmitter (Tx) and Receiver (Rx) compliance tests using a single, friendly user interface
- Accurate, repeatable Rx testing with Anritsu MP1900A BERT
- Support for both USB-IF and 3rd party fixtures and software tools

Deepest SI Toolbox

- Choose either USB-IF SigTest or Teledyne LeCroy SDAIII analysis methodology
- Debug electrical compliance issues faster with SDAIII-CompleteLinQ eye diagrams, jitter and noise analysis software
- WavePulser 40iX simplifies and speeds up receiver channel characterization and calibration
- Single QualiPHY user interface for Tx and Rx testing

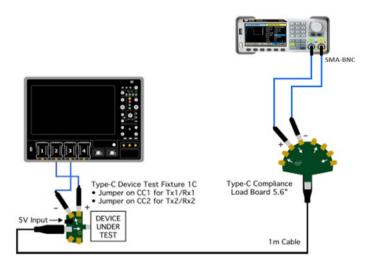
PHY-logic & Sideband Debug

- USB 2.0 and 3.2 serial decode options provide decode of USB packets with graphical, intuitive, color-coded decode overlays
- ProtoSync integrates industrystandard protocol display
- USB-PD (Power Delivery) TDMP and DisplayPort-AUX DMP provide unmatched visibility of USB Type-C sideband signals for system debug



USB4 and Thunderbolt 3/4

- QPHY-USB4-TX-RX provides automated transmitter compliance test automation per the USB4 Gen2 (10 Gb/s) and Gen3 (20 Gb/s); and Thunderbolt Gen2 (10.3125 Gb/s) and Gen3 (20.625 Gb/s) electrical Compliance Test Specifications (CTS)
- Integrates USB4 ETT for DUT control with the Wilder-Tech USB4 test controller, and Thunderbolt electrical scripts with TBT3 controllers
- Fully automates receiver calibration and test with the Anritsu MP1900A high-speed BERT



USB 3.2 and USB 2.0

- QPHY-USB3.2-TX-RX fully automates the USB 3.2 Tx and Rx CTS for Gen1 (5 Gb/s) and Gen2 (10 Gb/s), LFPS Tx/Rx and SCD/LBPM tests
- Supports a variety of generators for Tx compliance pattern control including Teledyne Test Tools AFG, Wilder-Tech USB Type-C controllers and Anritsu MP1900A BERT
- Fully automates Rx calibration and test with the Anritsu MP1900A high-speed BERT solution
- QPHY-USB fully automates the USB 2.0 HS, FS and LS CTS

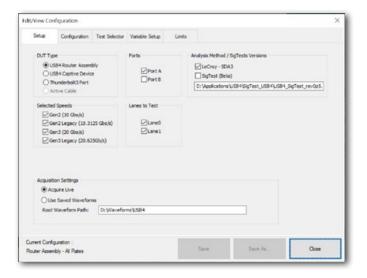


DisplayPort over USB Type-C

- QPHY-DP2.0-SOURCE software automates source (Tx) testing for all DisplayPort 2.0 (UHBR20, UHBR13, UHBR10) and 1.4a (HBR3, HBR2, HBR, RBR) data rates
- QPHY-DP2.0-SINK software automates
 DisplayPort 2.0 sink (Rx) calibration and
 testing with the Anritsu MP1900A high-speed
 BERT solution
- DPAUX DMP provides AUX channel decode, serial data measurements and physical layer measurements
- Supports all VESA approved test fixtures including Standard DP, mDP and USB Type-C

QUALIPHY AUTOMATED TEST FRAMEWORK

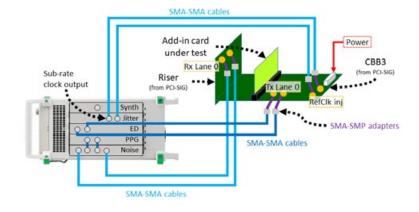
QualiPHY is Teledyne LeCroy's automated test framework for performing standardized tests on high-speed serial interfaces. QualiPHY automation is available for PCI Express, USB, DDR, DisplayPort, HDMI and other technologies - for a full list, see our Oscilloscope Features, Options, and Accessories catalog.



Simplified Setup

QualiPHY dialogs help the user configure all aspects of test execution, including:

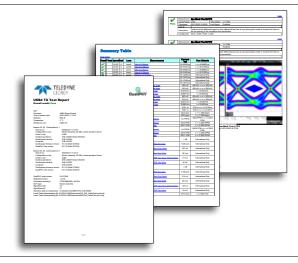
- Selecting the set of tests to run
- Configuring test parameters
- Customizing limits
- Options to stop after each test or execute sequentially



Streamlined Test Execution

QualiPHY guides the user though connection and execution of each test, resulting in increased repeatability.

- Clear, informative connection diagrams help simplify complex test setups and reduce mistakes
- Dialogs explain test execution and required Device Under Test (DUT) settings
- Simple, powerful Host Program Control interface enables complete automation of QualiPHY with external scripting environments (for selected QualiPHY products)



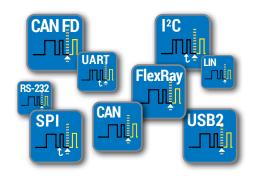
Informative Reporting

QualiPHY produces comprehensive reports documenting test results.

- Save reports in PDF or HTML format
- Screenshots and tabular results included
- Summary table at the start of the report makes it easy to tell pass/fail results at a glance

COMPREHENSIVE LOW-SPEED SERIAL SOLUTIONS

Teledyne LeCroy's Trigger (T), Decode (D), Measure (M) or Graph (G), and Eye Diagram (E) and Physical Layer (P) options are the best of their kind. Visit teledynelecroy.com/tdme for complete details.



Highest Performance Triggers

Designed by people who know the standards, with the unique capabilities you need to isolate unusual events.

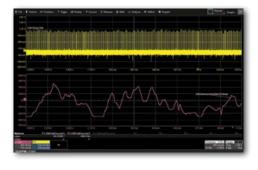
- Powerful, flexible, unique
- Conditional data setup
- Support for proprietary protocols



The Most Intuitive Serial Decoder

Decoded protocol information is color-coded and transparently overlaid for an intuitive, easy-to-understand visual record with a single time-interleaved table with touch to zoom.

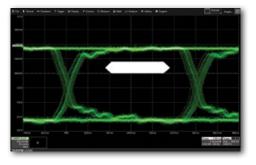
- Intuitive, color-coded overlays
- Pattern search
- Interactive table summarizes results



Measure and Graph Tools for Validation Efficiency

Automated timing measurements quickly validate cause and effect and serial data digital-to-analog (DAC) converter enhances understanding.

- Automated timing measurements
- Serial data DAC and graphing tools
- Bus status measurements



Eye Diagrams and Physical Layer Testing

Rapidly display an eye diagram of low-speed serial data signals. Eye parameters quantify system performance, and eye masks identify anomalies.

- Up to 4 simultaneous eye diagrams
- Eye measurements and masks
- Advanced PHY measurements

HIGH BANDWIDTH DIFFERENTIAL PROBES

The DH series of 8 to 30 GHz active differential probes provides high input dynamic range, large offset capability, low loading and excellent signal fidelity with a range of connection options.

General Purpose Probing up to 30 GHz

Teledyne LeCroy's DH series of 8 GHz to 30 GHz differential probes offer the combination of bandwidth, input range and offset capability to address any high-speed probing requirement - from debugging serial data interfaces to validating DDR memory systems.

Exceptional Signal Fidelity

DH series probes provide superior loading characteristics and are calibrated with a custom "fine-tuned" frequency response. The ultra-low loading and flat frequency response ensure accurate measurements.

Wide Variety of Tips

Two 30 GHz solder-in leads let you choose between a 3.5 Vpp input range for general-purpose applications, or high sensitivity with exceptionally low noise. Also available are a 1-meter long 16 GHz high-temperature tip, a 16 GHz handheld browser tip and an 8 GHz QuickLink adapter for connecting mixed-signal probe tips.



Tip Identification

Each DH series tip has its own data onboard - the oscilloscope software automatically selects the correct tip type and precisely corrects for its effects. The result is superior signal fidelity and superior ease-of-use.

Digital Logic Probing Options

HDA125 High-speed Digital Analyzer

The HDA125 turns your Teledyne LeCroy oscilloscope into the highest-performance, most flexible mixed-signal solution with 12.5 GS/s digital sampling rate (3 GHz digital clock rate) on 18 input channels and the QuickLink probing solution. Ideal for validation of DDR interfaces.

MS-500-36 Mixed Signal Oscilloscope Option

The MS-500-36 adds up to 36 digital channels for acquisition of digital signals at up to a 500 MHz clock rate (2 GS/s digital sample rate) with up to 50 Mpts/Ch for complete mixed-signal acquisition capability.





BROAD RANGE OF PROBING SOLUTIONS

WaveMaster 8 Zi-B oscilloscopes support a broad range of probes for a variety of applications.

Differential Probes (200 MHz – 1.5 GHz)



Wide dynamic range, low loading and excellent noise performance. From 200 MHz to 1.5 GHz. Specialty AP033 provides 10x gain and high CMRR.

Differential Probes (4 – 6 GHz)



5 Vp-p dynamic range with ±3 V offset and low noise and loading. Solderin, browser, QuickLink, Quick Connect, square pin and HiTemp leads/tips.

Differential Probes (8 – 30 GHz)



For serial data, DDR or other high-speed signals. Standard and high-sensitivity solder-in, HiTemp, and QuickLink for mixed-signal probing.

60 V Common Mode Differential Probes



The ideal probes for lower voltage GaN power conversion measurement with the highest accuracy, best CMRR and lowest noise. Up to 1 GHz.

High Voltage
Differential Probes



1 kV, 2 kV and 6 kV CAT safety rated models. Widest differential voltage ranges, exceptional CMRR, low noise, 1% gain accuracy.

High Voltage Fiber Optically-isolated Probes



Measures small signals floating on an HV bus. Highest CMRR, low DUT loading with optical isolation.

High Voltage
Passive Probes



1 kV to 6 kV ratings. Provides ground-referenced high voltage measurements in a wide range of applications.

Active Voltage Probes



1 to 4 GHz models. High signal fidelity and low circuit loading (<1 pF tip capacitance), ±8 V dynamic range, ±12 V offset.

Active Voltage/Power Rail Probe



 $4\,\text{GHz}$ bandwidth, $\pm 30\,\text{V}$ offset, $\pm 800\,\text{mV}$ dynamic range. High DC input impedance and low noise/attenuation for power rail probing.

Current Probes



For AC, DC and impulse current measurements. Utilizes combination of Hall effect and transformer technology. Up to 500 A, up to 100 MHz.

Rogowski Coil Probes



Wide frequency range and small sense coils for maximum flexibility. From 300 to 6000 Amps, as low as 0.1 Hz to as high as 30 MHz.

Optical to Electrical Converters



DC-coupled detectors up to 9.5 GHz or 36 GHz, with reference receivers for ideal response compensation.

Transmission Line Probes



High-bandwidth passive probe for use with 50 Ω inputs. DC to 7.5 GHz with 0.25 pF input capacitance. 10x or 20x attenuation.

Probe and Current Sensor Adapters



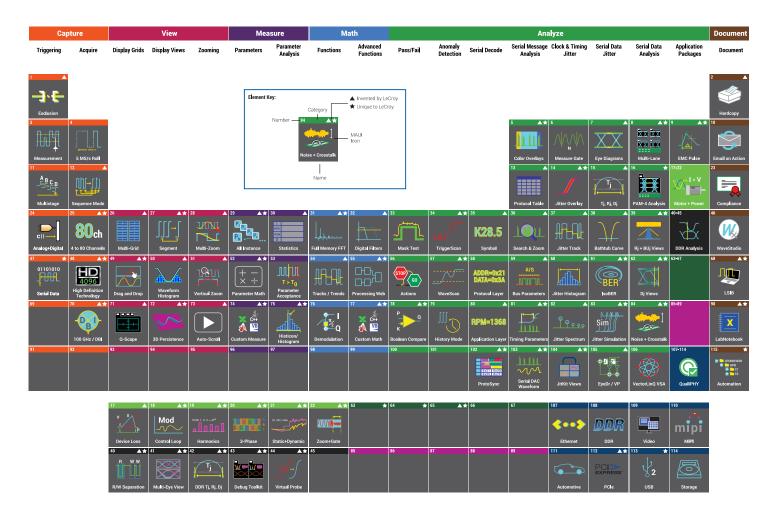
Change between the different Teledyne LeCroy Oscilloscope input types or provide simple interface to 3rd-party probes.

Passive Probes



10x attenuating with 10 $M\Omega$ input resistance. Ideal for low-frequency signals.

POWERFUL, DEEP TOOLBOX



Our heritage

Teledyne LeCroy's 50+ year heritage is in processing long records to extract meaningful insight. We invented the digital oscilloscope and many of the additional waveshape analysis tools.

Our obsession

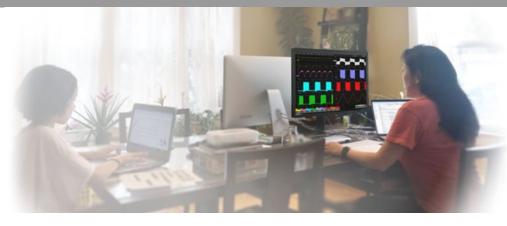
Our tools and operating philosophy are standardized across much of our product line. This deep toolbox inspires insight; and your moment of insight is our reward.

Our invitation

Our Periodic Table of Oscilloscope Tools explains the toolsets that Teledyne LeCroy has deployed in our oscilloscopes. Visit our interactive website to learn more about them.

teledynelecroy.com/tools

MAUI STUDIO - WORKS WHERE YOU ARE



Unleash the power of a
Teledyne LeCroy oscilloscope
anywhere, using a PC with MAUI
Studio Pro. Work remotely from
your oscilloscope and collaborate
with ease.

Flexibility to Work Anywhere

MAUI Studio provides the flexibility to remotely work anywhere, and allows anyone anywhere to execute real-time analysis by connecting to an oscilloscope through an Ethernet connection or by analyzing a saved LabNotebook.

Collaborate with Ease

Using MAUI Studio, you can share a LabNotebook file saved from an oscilloscope with all of your colleagues, and everyone will have access to the same software options that are found on your oscilloscope.

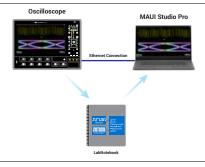
The Power of MAUI Studio

Get all the unbelievable analytical capabilities of your oscilloscope on your PC. MAUI Studio has all the analysis tools needed to analyze complex waveform data, enabling your lab's oscilloscopes to be freed up for other activities.



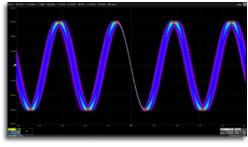
Remote Connection

- Connect to an oscilloscope through an Ethernet connection
- Transfer waveforms and setups from an oscilloscope to MAUI Studio Pro
- Transfer setups from MAUI Studio Pro to an oscilloscope
- Import software options by establishing a remote connection to an oscilloscope



Offline Analysis

- Recall a LabNotebook file to analyze saved waveforms, measurements and setups
- Import software options by recalling a LabNotebook file
- Have access to the same software found on your oscilloscope



Arbitrary Function Generator

- Generate advance waveforms using the AFG
- Easily generate a PAM4 signal
- Add jitter to a clock signal to simulate real-world signal integrity impairments

	WaveMaster 804Zi-B (SDA)	WaveMaster 806Zi-B (SDA)	WaveMaster 808Zi-B (SDA)	WaveMaster 813Zi-B (SDA)			
/ertical System							
Analog Bandwidth @ 50 Ω (-3 dB)	4 GHz	6 GHz	8 GHz	13 GHz			
ProLink Input)	(≥ 10 mV/div)	(≥ 10 mV/div)	(≥ 10 mV/div)	(≥ 10 mV/div)			
Analog Bandwidth @ 50 Ω (-3 dB) ProBus Input)	3.5 GHz (≥ 10 mV/div)	3.5 GHz (≥ 10 mV/div)	3.5 GHz (≥ 10 mV/div)	3.5 GHz (≥ 10 mV/div)			
Analog Bandwidth @ 1 MΩ (-3 dB) ProBus Input)	500 MHz (typical, ≥ 2 mV/div)						
Rise Time (10-90%, 50 Ω - test limit)	95 ps (test limit, flatness mode)	63 ps (test limit, flatness mode)	49 ps (test limit, flatness mode)	32.5 ps (test limit, flatness mode)			
Rise Time (20–80%, 50 Ω - typical)	71 ps (flatness mode)	47 ps (flatness mode)	37 ps (flatness mode)	24.5 ps (flatness mode)			
nput Channels	4 (Any combination of ProLink		(Hatness mode)	(Hatriess mode)			
ertical Resolution fective Number of Bits (ENOB) **	8 bits; up to 11 bits with enha 6.5	nced resolution (ERES) 6.2	6.0	5.9			
<u>/ertical Noise Floor (rms, typical, 50 Ω)</u> 1 mV/div	0.21 mV	0.26 mV	0.3 mV	0.37 mV			
2 mV/div	0.21 mV	0.26 mV	0.3 mV	0.37 mV			
5 mV/div	0.21 mV	0.26 mV	0.3 mV	0.37 mV			
10 mV/div	0.21 mV	0.26 mV	0.3 mV	0.37 mV			
20 mV/div	0.33 mV	0.41 mV	0.47 mV	0.56 mV			
50 mV/div	0.75 mV 1.47 mV	0.93 mV	1.05 mV	1.23 mV			
100 mV/div 200 mV/div	3.11 mV	1.83 mV 3.89 mV	2.08 mV 4.48 mV	2.41 mV 5.35 mV			
500 mV/div	7.47 mV	9.32 mV	10.62 mV	12.39 mV			
1 V/div	15.04 mV	18.66 mV	21.11 mV	24.31 mV			
Sensitivity	50 Ω (ProLink): 2 mV-1 V/div 50 Ω (ProBus): 2 mV-1 V/div, 1 MΩ (ProBus): 2 mV-10 V/d	, fully variable `	iv via zoom)				
DC Vertical Gain Accuracy Gain Component of DC Accuracy)	±1% F.S. (typical), offset at 0 \	/; ±1.5% F.S. (test limit), offs	et at 0 V				
Channel-Channel solation	DC to 10 GHz: 50 dB (> 315:1) 10 to 15 GHz: 46 dB (> 200:1) 15 to 20 GHz: 40 dB (> 100:1) (For any two ProLink input channels, same or different V/div settings, typical)						
		50 O (F	50 Ω (ProLink): ±500 mV @ 2 mV/div-100 mV/div ±4 V @ > 100 mV/div-1 V/div 50 Ω (ProBus): ±750 mV @ 2 mV/div-100 mV/div ±4 V @ > 100 mV/div-1 V/div				
Offset Range		±500 mV @ 2 m ±4 V @ > 100 l 50 Ω (I ±750 mV @ 2 m	V/div-100 mV/div mV/div-1 V/div ProBus): V/div-100 mV/div				

DC Vertical Offset Accuracy

±(1.5% of offset setting + 1.5% F.S. + 1 mV) (test limit)

	WaveMaster 816Zi-B (SDA)	WaveMaster 820Zi-B (SDA)	WaveMaster 825Zi-B (SDA)	WaveMaster 830Zi-B (SDA)
Vertical System				
Analog Bandwidth @ 50 Ω (-3 dB) (2.92 mm Input)			25 GHz	30 GHz
Analog Bandwidth @ 50 Ω (-3 dB) (ProLink Input)	16 GHz (≥ 10 mV/div)	20 GHz (≥ 10 mV/div)	25 GHz (≥ 10 mV/div)	30 GHz (≥ 10 mV/div)
Analog Bandwidth @ 50 Ω (-3 dB) (ProBus Input)	3.5 GHz (≥ 10 mV/div)	3.5 GHz (≥ 10 mV/div)	3.5 GHz (≥ 10 mV/div)	3.5 GHz (≥ 10 mV/div)
Analog Bandwidth @ 1 MΩ (-3 dB) (ProBus Input)	500 MHz (typical, ≥ 2 mV/div	y)		
Rise Time (10–90%, 50 Ω - test limit)	28.5 ps (test limit, flatness mode)	22 ps (test limit, flatness mode)	17.5 ps (test limit, flatness mode)	15.5 ps (test limit, flatness mode)
Rise Time (20–80%, 50 Ω - typical)	21.5 ps (flatness mode)	16.5 ps (flatness mode)	13 ps (flatness mode)	11.5 ps (flatness mode)
Input Channels		oLink and ProBus inputs)	4 (Any combina ProLink inputs or 3.5	ation of 20 GHz GHz ProBus inputs), roLink or ProBus input),
Vertical Resolution	8 bits; up to 11 bits with enhance	anced resolution (ERES)		
Effective Number of Bits (ENOB) ** Vertical Noise Floor (rms, 50 Ω)	5.7	5.4	5.2	5.0
1 mV/div	0.43 mV	0.49 mV	0.50 mV	0.53 mV
2 mV/div	0.43 mV	0.49 mV	0.50 mV	0.53 mV
5 mV/div	0.43 mV	0.49 mV	0.50 mV	0.53 mV
10 mV/div	0.43 mV	0.49 mV	0.50 mV	0.53 mV
20 mV/div	0.65 mV	0.73 mV	0.77 mV	0.84 mV
50 mV/div	1.45 mV	1.57 mV	1.84 mV	2.04 mV
100 mV/div	2.86 mV	3.04 mV	4.17 mV	4.43 mV
200 mV/div	6.34 mV	7.27 mV	7.61 mV	8.28 mV
500 mV/div 1 V/div	14.26 mV 28.63 mV	15.41 mV 30.26 mV	17.95 mV N/A	19.95 mV N/A
Sensitivity	(2-9.9 mV/d 50 Ω (ProLink) at 80 GS/s : (2-19.9 mV/d 50 Ω (ProBus): 2 mV-d	2 mV-1 V/div, fully variable iv via zoom) 2 mV-1 V/div, fully variable div via zoom) -1 V/div, fully variable -10 V/div, fully variable	(2-9.9 mV/c	–1 V/div, fully variable liv via zoom) –1 V/div, fully variable
DC Vertical Gain Accuracy		V; ±1.5% F.S. (test limit), offse	et at 0 V	
(Gain Component of DC Accuracy) Channel-Channel Isolation	DC to 10 GHz: 50 dB (> 315:1) 10 to 15 GHz: 46 dB (> 200:1) 15 to 20 GHz: 40 dB (> 100:1) (For any two ProLink input channels, same or		DC to 10 GHz: 50 dB (> 315:1) 10 to 15 GHz: 46 dB (> 200:1) 15 to 20 GHz: 40 dB (> 100:1) 20 GHz to Max BW: 30 dB (> 32:1) (For any two ProLink or 2.92 mm input channels, samdifferent V/div settings, typical)	
Offset Range	50 Ω (ProLink): ±500 mV @ 2-100 mV/div ±4 V @ > 100 mV/div-1 V/div 50 Ω (ProBus): ±750 mV @ 2-100 mV/div ±4 V @ > 100 mV/div-1 V/div 1 MΩ: ±1 V @ 2-140 mV/div ±10 V @ 142 mV-1.40 V/div ±100 V @ 1.42 V-10 V/div		50 Ω (2. ±500 mV @ 1 ±4 V @ 80 mV/c 50 Ω (P ±500 mV @ 2 ±4 V @ >100 n 50 Ω (P ±750 mV @ 2 ±4 V @ >100 n	92 mm): 0-79 mV/div div-500 mV/div roLink): 1-100 mV/div nV/div-1 V/div roBus): 1-100 mV/div nV/div-1 V/div nV/div-1 V/div nV/div-1 V/div nV/div-1 V/div nV-1 X/div

	WaveMaster 804Zi-B (SDA)	WaveMaster 806Zi-B (SDA)	WaveMaster 808Zi-B (SDA)	WaveMaster 813Zi-B (SDA)
Vertical System				
Maximum Input Voltage	50 Ω (ProLink): ±2 V max. @ 50 Ω (ProBus): ±5 V max., 3.1 M Ω (ProBus): 250 V max. (5 V _{rms}	00 mV/div	
Input Coupling	ProLink Inputs: 50 Ω: DC, GN ProBus Inputs: 1 MΩ: AC, DC			
Input Impedance	ProLink Inputs: $50 \Omega \pm 2\%$ for ProBus Inputs: $50 \Omega \pm 2\%$ or	r ≤ 100 mV/div, 50 Ω ±3% for : 1 MΩ 16 pF, 1 MΩ 11 pF w		
Bandwidth Limiters	20 MHz, 200 MHz, 1 GHz	20 MHz, 200 MHz, 1 GHz, 4 GHz	20 MHz, 200 MHz, 1 GHz, 4 GHz, 6 GHz	20 MHz, 200 MHz, 1 GHz, 4 GHz, 6 GHz, 8 GHz
Rescaling	Length: meters, inches, feet, radian, arcdegr, arcmin, arcses \$2, in/s2, ft/s2, g0; Volume: li ounce, pound; Pressure: paswatts, volt-amperes, volt-ampsiemen/meter, power factor; Rotating Machine: radian/sehorsepower; Other: %.	ec, cycles, revolutions, turns; \(\bar{V}\) (ters, cubic meters, cubic incheal, bar, atmosphere (technicates) (teres reactive, farad, coulomberes) (teres) (te	/elocity: m/s, in/s, ft/s, yd/s, r les, cubic feet, cubic yards; Fc al), atmosphere (standard), to b, ohm, siemen, volt/meter, co c, amp/meter, henry/meter; En	miles/s; Acceleration: m/ orce (Weight): newton, grai rr, psi; Electrical: volts, am ulomb/m2, farad/meter, ergy: joule, Btu, calorie;
Horizontal - Analog Channels				
Timebases Time/Division Range		ling on memory length		
Clock Accuracy	< 1 ppm + (aging of 0.5ppm/	vr from last calibration)		
Sample Clock Jitter	Up to 10 µs Acquired Time R	ange: 100 fsrms (Internal Tin		
	Up to 6.4 ms Acquired Time		mebase Reference)	
·	- 1 Notes 12			
Delta Time Measurement Accuracy	$\sqrt{2} * \sqrt{\left(\frac{Noise}{SlewRate}\right)^2 + (Sample)^2}$	ole Clock Jitter)² (RMS) + (clock acc	curacy * reading) (seconds)	
·	\ \ SlewRate \	ole Clock Jitter) ² (RMS) + (clock acc		
Delta Time Measurement Accuracy	$\sqrt{\frac{\text{SlewRate}}{\text{Noise}}^2}$	ole Clock Jitter) ² (RMS, seconds, TI as max., each channel		

	WaveMaster 816Zi-B (SDA)	WaveMaster 820Zi-B (SDA)	WaveMaster 825Zi-B (SDA)	WaveMaster 830Zi-B (SDA)		
Vertical System						
Maximum Input Voltage	50 Ω (ProLink): ±2 V max. @ ≤ 100 mV/div, 5.5 V _{rms} @ > 100 mV/div 50 Ω (ProBus): ±5 V max., 3.5 V _{rms} 1 MΩ (ProBus): 250 V max. (peak AC: < 10 kHz + DC)		± 2 V max. @ ≤ 100 mV/div, 5.5 V _{rms} @ > 100 mV/div 50 Ω (ProBus): ± 5 V max., 3.5 V _{rms} 1 MΩ (ProBus):		±2 Vmax @ ≤ 100 mV/div 50 Ω (F ±2 Vmax @ ≤ 100 mV/div 50 Ω (F ±5 Vmax 1 MΩ (I	n Inputs: , 5.5 V _{rms} @ > 100 mV/div roLink): , 5.5 V _{rms} @ > 100 mV/div roBus): , 3.5 V _{rms} ProBus): AC: < 10 kHz + DC)
Input Coupling	50 Ω: [ProBus	k Inputs: DC, GND s Inputs: ND; 50 Ω: DC, GND	50 Ω: [ProLinl 50 Ω: [ProBus	n Inputs: IC, GND IC Inputs: IC, GND Inputs: ID; 50 Ω: DC, GND		
Input Impedance	50 Ω ±2% for ≤ 100 mV/div ProBus 50 Ω ±2% or 1 MΩ 16 pF,	k Inputs: v, 50 Ω ±3% for > 100 mV/div s Inputs: 1 MΩ 11 pF with supplied obe	50 Ω ±2% for \leq 79 mV/div ProLink 50 Ω ±2% for \leq 100 mV/div ProBus 50 Ω ±2% or 1 M Ω 16 pF,	n Inputs: $50 \Omega \pm 3\%$ for > 79 mV/div 1 Inputs: $50 \Omega \pm 3\%$ for > 100 mV/div 1 Inputs: 1 M Ω 11 pF with supplied to be		
Bandwidth Limiters	40 GS/s mode: 20 MHz, 200 MHz, 1 GHz, 4 GHz, 6 GHz, 8 GHz, 13 GHz 80 GS/s Mode: 13 GHz	40 GS/s mode: 20 MHz, 200 MHz, 1 GHz, 4 GHz, 6 GHz, 8 GHz, 13 GHz, 16 GHz 80 GS/s Mode: 13 GHz, 16 GHz		For ≤20 GHz Mode: 20 MHz, 200 MHz, 1 GHz, 4 GHz, 6 GHz, 8 GHz, 13 GHz, 16 GHz For >20 GHz Mode: 20 GHz 25 GHz		
Rescaling	radian, arcdegr, arcmin, arcs s2, in/s2, ft/s2, g0; Volume: ounce, pound; Pressure: pas watts, volt-amperes, volt-am siemen/meter, power factor;	yards, miles; Mass: grams, sl ec, cycles, revolutions, turns; liters, cubic meters, cubic incl scal, bar, atmosphere (technic: peres reactive, farad, coulomb Magnetic: weber, tesla, henry econd, frequency, revolution/s	Velocity: m/s, in/s, ft/s, yd/s, r nes, cubic feet, cubic yards; Fc al), atmosphere (standard), to o, ohm, siemen, volt/meter, co v, amp/meter, henry/meter; E n	niles/s; Acceleration: m/ rce (Weight): newton, grain, r, psi; Electrical: volts, amps, ulomb/m2, farad/meter, ergy: joule, Btu, calorie;		
Horizontal - Analog Channels	Internal time the consequence	to 4 input also and				
Timebases Time/Division Range	20 ps/div-640 μs/div, de Other sar 20 ps/div-128 s/div, dep Real-time Mode: RIS Mode: 20 ps/div-10 ns Roll Mode: 100 ms/div up	to 4 input channels orde at 80 GS/s: pending on memory length mple rates: pending on memory length 20 ps/div-64 s/div; /div; selectable at ≤10 ns/div; to to 128 s/div, selectable at y and ≤ 5 MS/s	20 ps/div−640 µs/div, dep For ≤ 20 0 20 ps/div−128 s/div, dep Real-time Mode: 2 RIS Mode: 20 ps/div−10 ns Roll Mode: 100 ms/div up	e (Real-time only): bending on memory length GHz Mode: ending on memory length 0 ps/div-64 s/div; /div, selectable at ≤10 ns/div, to 128 s/div, selectable at and ≤ 5 MS/s		
Clock Accuracy	< 1 ppm + (aging of 0.5 ppm					
Sample Clock Jitter	Up to 10 µs Acquired Time F	Range: 100 fsrms (Internal Tir				
Delta Time Measurement Accuracy		Range: 150 fsrms (Internal T	•			
Jitter Measurement Floor	,	ple Clock Jitter) ² (RMS, seconds, T.	IE)			
Channel-Channel Deskew Range External Timebase Reference (Input)	$\pm 9 \text{ x time/div. setting, or } 25$ 10 MHz; 50 Ω impedance, a					

		Master B (SDA)	WaveMaster 806Zi-B (SDA)	WaveMaster 808Zi-B (SDA)	WaveMaster 813Zi-B (SDA)		
Acquisition - Analog Channels							
Sample Rate (Single-Shot)	40 GS/s (80 GS/s on 2	40 GS/s (80 GS/s on 2 Ch using optional WM8Zi-2X80GS External Interleaving Device)					
Random Interleaved Sampling (RIS)	200 GS/s for	200 GS/s for repetitive signals (20 ps/div to 10 ns/div)					
Standard Memory	SDA models:	32 Mpts, 5,000 s 64 Mpts, 15,000 : 128 Mpts, 15,000	segments max				
	(Memory and Device)	Sample Rate car	n be doubled in 1 or 2 Ch m	node with use of WM8Zi-2X800	GS External Interleaving		
Memory Options	Option	Mem/Ch	Max Segments				
	M-64	64 Mpts	15,000				
	L-128	128 Mpts	15,000				
	VL-256	256 Mpts	15,000				
	Device)	Sample Rate car	n be doubled in 1 or 2 Cn m	node with use of WM8Zi-2X800	55 External Interleaving		
Intersegment time	1 µs						
Averaging			n sweeps; continuous avera	aging to 1 million sweeps			
Interpolation	Linear or Sin	K/X					
Vertical, Horizontal, Acquisition	- Digital Chan	nels with HDA1	125-18-SYNC				
Maximum Input Frequency	3 GHz						
Minimum Detectable Pulse Width	167ps						
		single ended inpu	ıt				
Input Dynamic Range	±7.5V max dit						
Input Impedance (Flying Leads) Input Channels	18 Digital Cha	0 kΩ, 0.12pF diffe	erentiai				
input Channels		anneis single ended inpu	ıt				
Maximum Input Voltage	±15V max dif						
Minimum Input Voltage Swing	150 mV p-p						
Threshold Selections	User defined						
Threshold Accuracy		of threshold sett					
User Defined Threshold Range		per channel in 5 r			'		
User Defined Hysteresis Range		V settable per cha	annel				
Sample Rate	12.5 GS/s						
Channel-to-Channel Skew	±160ps						
Deskew Range	±1.6ns in 80ps	steps					

32 Mpt (SDA: 64 M (DDA: 128 M	40 GS/s on 4 0 80 GS/s on 2 0 itive signals (20 4 channels: s, 5,000 segments, 15,000 segme	ch D ps/div to 10 ns/d ents max gments max) gments max)	Opti 6 M-64 L-12	32 M (SDA: 64 (DDA: 128 (SDA: 256 4 cl on Mem/Ch	GGHz Mode: Node: Node: 200 GS/s 0 ps/div to 10 4 channel ots, 5,000 seg Mpts, 15,000 Mpts, 15,000 2 channel Mpts, 15,000	ted in ≥ 25 GI Not applicable s for repetitiv ns/div) ls: Iments max segments max segments m segments m segments m 2 cha Mem/Ch 128 Mpts 256 Mpts	e ve signals ax) nax)
32 Mpt (SDA: 64 M (DDA: 128 M (SDA: 128 M (DDA: 256 M (DDA: 256 M	80 GS/s on 2 (2) 4 channels: 4 channels: 5, 5,000 segments, 15,000 segment	ents max gments max) egments max) egments max) egments max) Max Segments 15,000 15,000	Opti 6 M-64 L-12	For ≥ 25 or < 25 GHz M (2 32 M, (SDA: 64 (DDA: 128 (SDA: 128 (DDA: 256 4 cl on Mem/Ch 4 64 Mpts	n when operation when operations of GHz Mode: Node: 200 GS/s ops/div to 10 4 channel ots, 5,000 seg whits, 15,000 Mpts, 15,000 Mpts, 15,000 Mpts, 15,000 Mpts, 15,000 Mpts, 15,000 Max Segments 15,000	ted in ≥ 25 GI Not applicable s for repetitiv ns/div) ls: Iments max segments max segments m segments m segments m 2 cha Mem/Ch 128 Mpts 256 Mpts	e re signals ax) nax) nax) max) mnels Max Segments 10,000
32 Mpt (SDA: 64 M (DDA: 128 M (SDA: 256 M (DDA: 256 M	4 channels: s, 5,000 segments, 15,000 segments, 15,000 see Apts, 15,000 see Apts, 15,000 see Apts, 15,000 see Mem/Ch 64 Mpts 128 Mpts	ents max gments max) gments max) gments max) gments max) Max Segments 15,000 15,000	Opti 6 M-64 L-12	For ≥ 25 or < 25 GHz M (2 32 M, (SDA: 64 (DDA: 128 (SDA: 128 (DDA: 256 4 cl on Mem/Ch 4 64 Mpts	GGHz Mode: Node: Node: 200 GS/s 0 ps/div to 10 4 channel ots, 5,000 seg Mpts, 15,000 Mpts, 15,000 2 channel Mpts, 15,000	Not applicable is for repetitive in solution in soluti	e re signals ax) nax) nax) max) mnels Max Segments 10,000
32 Mpt (SDA: 64 M (DDA: 128 M (SDA: 128 M (DDA: 256 M (DDA: 256 M (DDA: 256 M	4 channels: s, 5,000 segments, 15,000 see Apts, 15,000 see 2 channels: Apts, 15,000 see Apts, 15,000 see Mem/Ch 64 Mpts 128 Mpts	ents max gments max) egments max) egments max) egments max) Max Segments 15,000 15,000	Opti on M-64 L-12	32 M (SDA: 64 (DDA: 128 (SDA: 256 4 cl on Mem/Ch	ode: 200 GS/s 0 ps/div to 10 4 channel ots, 5,000 seg Mpts, 15,000 Mpts, 15,000 Mpts, 15,000 Mpts, 15,000 Mpts, 15,000 Mpts, 15,000 Max Segments	s for repetitivents of the segments of the seg	ax) nax) nax) max) mnels Max Segments 10,000
(SDA: 64 M (DDA: 128 N (SDA: 128 N (DDA: 256 N (DDA: 256 N (DDA: 256 N	2 channels: 4 pts, 15,000 se 4 pts, 15,000 se 2 channels: 4 pts, 15,000 se 4 pts, 15,000 se 4 Mem/Ch 64 Mpts 128 Mpts	egments max) egments max) egments max) egments max) Max Segments 15,000 15,000	M-64 L-12	(SDA: 64 (DDA: 128 (SDA: 128 (DDA: 256 4 cl	2 channel Mpts, 15,000 Mpts, 15,000 Apts, 15,000 Mpts, 15,000 Mpts, 15,000 Mannels Max Segments 15,000	ments max segments may segments may segments may segments may segments may 2 characteristics. Mem/Ch 128 Mpts 256 Mpts	nax) nax) nnels Max Segments 10,000
M-64 128	64 Mpts 128 Mpts	Segments 15,000 15,000	M-64 L-12	on Mem/Ch 4 64 Mpts	Max Segments 15,000	Mem/Ch 128 Mpts 256 Mpts	Max Segments 10,000
M-64 128	64 Mpts 128 Mpts	Segments 15,000 15,000	M-64 L-12	on Mem/Ch 4 64 Mpts	Max Segments 15,000	Mem/Ch 128 Mpts 256 Mpts	Max Segments 10,000
M-64 128	64 Mpts 128 Mpts	15,000 15,000	M-64 L-12	4 64 Mpts	Segments 15,000	128 Mpts 256 Mpts	Segments 10,000
128	128 Mpts	15,000	M-64 L-12	4 64 Mpts	15,000	128 Mpts 256 Mpts	10,000
			L-12			256 Mpts	· ·
VL-256	256 Mpts	15,000		8 128 Mpts	15,000		15,000
	,						
			VL-2	56 256 Mpts	15,000	512 Mpts	15,000
ed averaging t	to 1 million sw	eeps; continuous a	averaging	to 1 million sw	eeps		
or Sin x/x							
<u>Channels w</u>	rith HDA125-	18-SYNC					
	1.11						
		i'al					
ps: 110 KQ, U.	. 12 pr dilleren	llai					
	analasi isan d						
	aı						
	schold setting)						
		etens					
	abic per criariir	Θ Ι					
)/ 3 }							
0 - Ht 0 r / 6 6	on any single max different ps: 110 kΩ, 0 cal Channels on any single max differention / p-p efined V + 3% of threattable per characterists	on any single ended input max differential ps: 110 kΩ, 0.12 pF differential Channels on any single ended input max differential / p-p efined V + 3% of threshold setting) to the channel in 5 mV settable per channel in 5	max differential ps: 110 kΩ, 0.12 pF differential cal Channels on any single ended input max differential / p-p efined V + 3% of threshold setting) tttable per channel in 5 mV steps 6/s	on any single ended input max differential ps: 110 kΩ, 0.12 pF differential cal Channels on any single ended input max differential / p-p efined V + 3% of threshold setting) ttable per channel in 5 mV steps 6/s	on any single ended input max differential ps: 110 kΩ, 0.12 pF differential cal Channels on any single ended input max differential / p-p efined V + 3% of threshold setting) tttable per channel in 5 mV steps 600 mV settable per channel 6/s	on any single ended input max differential ps: 110 kΩ, 0.12 pF differential cal Channels on any single ended input max differential / p-p efined V + 3% of threshold setting) ttable per channel in 5 mV steps 600 mV settable per channel 6/s	on any single ended input max differential ps: 110 kΩ, 0.12 pF differential cal Channels on any single ended input max differential / p-p efined V + 3% of threshold setting) ttable per channel in 5 mV steps 600 mV settable per channel 6/s

	WaveMaster 804Zi-B (SDA)	WaveMaster 806Zi-B (SDA)	WaveMaster 808Zi-B (SDA)	WaveMaster 813Zi-B (SDA)			
Triggering System							
Modes	Normal, Auto, Single and Sto		al Lancel constance & a constance constance	/			
Sources	DC, AC, HFRej, LFRej	Any input channel, Ext, Ext/10, Line, or Fast Edge; slope and level unique to each source (except line trigger)					
Coupling Pre-trigger Delay	0 to 100% of memory size						
Post-trigger Delay		ne mode limited at slower tin	ne/div settings or in roll mode				
Hold-off	From 2 ns up to 20 s or from		ne/div settings of in roll mode				
Trigger and Interpolator Jitter		e assisted), 2 ps rms (typical,	hardware)				
Internal Trigger Level Range	±4.1 div from center	e assisted), 2 ps ims (typical,	ilaiuwaie)				
External Trigger Level Range	Ext (±0.4 V); Ext/10 (±4 V)						
Maximum Trigger Rate	77	id (in Seguence Mode, up to 4	channels)				
Trigger Sensitivity with Edge Trigger 2.92mm Inputs	Not Applicable	io (iii ocquenice mode, up to 1	onamicis)				
Trigger Sensitivity with Edge Trigger	2 div @ < 3.5 GHz						
(Ch 1-4) ProBus Inputs	1.5 div @ < 1.75 GHz						
	1.0 div @ < 200 MHz						
	(for DC coupling, ≥ 10 mV/di	ν, 50 Ω)					
Trigger Sensitivity with Edge Trigger	2 div @ < 4 GHz,	2 div @ < 6 GHz	2 div @ < 8 GHz	3 div @ < 13 GHz			
(Ch 1-4) ProLink Inputs	1.5 div @ < 3 GHz,	1.5 div @ < 3 GHz	1.5 div @ < 3 GHz	1.5 div @ < 3 GHz			
	1.0 div @ < 200 MHz,	1.0 div @ < 200 MHz	1.0 div @ < 200 MHz	1.0 div @ < 200 MHz			
	(for DC, AC,	(for DC, AC,	(for DC, AC,	(for DC, AC,			
	LFRej coupling, ≥ 10 mV/div, 50 Ω)	LFRej coupling, ≥ 10 mV/div. 50 Ω)	LFRej coupling, ≥ 10 mV/div, 50 Ω)	LFRej coupling, ≥ 10 mV/div, 50 Ω)			
External Trigger Sensitivity,	2 div @ < 1 GHz,	≥ 10 111V/div, 30 Ω)	2 10 111ν/αιν, 30 Ω)	≥ 10 IIIV/div, 30 Ω)			
(Edge Trigger)	1.5 div @ < 500 MHz,						
(Luge migger)	1.0 div @ < 200 MHz,						
	(for DC coupling)						
Max. Trigger Frequency,	2.0 GHz @ ≥ 10 mV/div						
SMART Trigger	(minimum triggerable width	200 ps)					
Trigger Types							
Edge	Triggers when signal meets:	slope (positive, negative, or ei	ther) and level condition				
Width	Triggers on positive, negative or both (widths selectable as low as 200ps to 20 s) or on intermittent faults.						
Glitch	Triggers on positive or negative glitches (widths selectable as low as 200ps to 20 s) or on intermittent faults.						
Window	Triggers when signal exits a window defined by adjustable thresholds.						
Pattern	Logic combination (AND, NAND, OR, NOR) of 5 inputs (4 channels and external trigger input). Each source can be high, low or don't care. The high and low level can be selected independently. Triggers at start or end of the pattern.						
TV-Composite Video	Triggers NTSC or PAL with selectable line and field; HDTV (720p, 1080i, 1080p) with selectable frame rate (50 or 60 Hz) and line; or CUSTOM with selectable fields (1-8), lines (up to 2000), frame rates (25, 30, 50, or 60 Hz), interlacing (1:1, 2:1, 4:1, 8:1) or synch pulse slope (positive or negative).						
Runt	Trigger on positive or negative runts defined by two voltage limits and two time limits. Select between 1 ns and 20 ns.						
Slew Rate			elect edge limits between 1 ns	and 20 ns.			
Interval	Triggers on intervals selectal	ole between 1 ns and 20 s.					
Dropout		or longer than selected time b					
Exclusion Triggering			ehavior and triggering when t				
Measurement Trigger	Select from a large number of measurement parameters trigger on a measurement value with qualified limits. Can be used as only trigger or last event in a Cascade Trigger. Triggers on any input source only if a defined state or edge occurred on another input source. Holdoff between						
Multi-stage: Qualified	sources is selectable by time	only if a defined state of edge e or events.	e occurred on another input s	ource. Holdott between			
Multi-stage: Qualified First	In Sequence acquisition mod	le, triggers repeatably on ever	nt B only if a defined pattern, s etween sources is selectable	state or edge (event A) is by time or events.			
High and Low Speed Serial Proto	ocol Triggering (Optional)						
		pe Features, Options, and Acce	ssories Catalog for the latest o	offerings on all our			
Measurement Tools							
Measurement Functionality	Display up to 12 measureme	nt narameters together with s	statistics including mean, min	imum mavimum etandard			
- Wedsurement unctionality	deviation, and total number. Histicons provide a fast, dynaddition, subtraction, multipl	Each occurrence of each para amic view of parameters and ication or division of two diffe	ameter is measured and adde waveshape characteristics. F erent parameters. Parameter c criteria define allowable valu	d to the statistics table. Parameter math allows pates define the location for			
Measurement Parameters - Horizontal + Jitter	Cycles (number of), Cycle to (number of, @level), Fall Tim N Cycle Jitter (peak-peak), N (10-90, @levels), Setup (@lev Time (@level), Width (50%, @	Cycle, Delay (from trigger, 50° e (90-10, @levels), Frequency umber of Points, Period (50%, vels), Skew (@levels), Slew Ra blevel), ∆ Width (@level), X(val	%), Δ Delay (50%), Duty Cycle / (50%, @level), Half Period (@ . @level), Δ Period (@level), Pf te (@levels), Time Interval Err lue)@max, X(value)@min	(50%, @level), Edges olevel), Hold Time (@level), nase (@level), Rise Time for (@level), Time (@level), Δ			
Measurement Parameters - Vertical Measurement Parameters - Pulse	Amplitude, Base, Level@X, M Area, Base, Fall Time (90-10, Width (50%)	laximum, Mean, Median, Minii 80-20, @levels), Overshoot (p	mum, Peak-to-Peak, RMS, Sto positive, negative), Rise Time (l. Deviation, Top (10-90, 80-20, @levels), Top,			
Measurement Parameters - Statistical (on Histograms)	Full Width (@ Half Max, @%) Range, RMS, Std. Deviation,	, Amplitude, Base, Peak@Max Top, X(value)@Peak, Peaks (n	(Population, Maximum, Mean, umber of), Percentile, Populat	, Median, Minimum, Mode, tion (@bin, total)			

	WaveMaster 816Zi-B (SDA)	WaveMaster 820Zi-B (SDA)	WaveMaster 825Zi-B (SDA)	WaveMaster 830Zi-B (SDA)			
Triggering System							
Modes	Normal, Auto, Single and Sto	Any input channel, Ext, Ext/10, Line or Fast Edge; slope and level unique to each source (except line trigger)					
Sources Coupling	DC, AC, HFRej, LFRej						
Pre-trigger Delay	0 to 100% of memory size						
Post-trigger Delay	No limitation						
Hold-off	From 1 ns up to 20 s or from						
Trigger and Interpolator Jitter	≤ 2.5 ps RMS (typical), < 0.1	ps RMS (typical, software as	sisted)				
Internal Trigger Level Range	±4.1 div from center						
External Trigger Level Range	Ext (±0.4 V); Ext/10 (±4 V)	1.0					
Maximum Trigger Rate Trigger Sensitivity with Edge Trigger	61,000,000 waveforms/seco	ond (in Sequence Mode, up to plicable		< 15 GHz			
2.92mm Inputs	νοι Αρ	рисавіе	1.5 div @	< 15 GHZ) < 3 GHZ coupling, ≥ 10 mV/div, 50 Ω)			
Trigger Sensitivity with Edge Trigger	2 div @ < 3.5 GHz		1.0 div (@ + 200 Wi i2 (101 B0	00dpm/g, = 10 mv/ div, 00 12/			
(Ch 1-4) ProBus Inputs	1.5 div @ < 1.75 GHz 1.0 div @ < 200 MHz (for DC coupling, ≥ 10 mV/di	v 50 0)					
Trigger Sensitivity with Edge Trigger	0.75 div	0.75 div	0.75 div @ < 5 GHz	2.25 div @ < 8 GHz			
(Ch 1–4) ProLink Inputs	0.70 div	0.70 div	1.5 div @ < 6 GHz	1.25 div @ < 4.5 GHz 0.75 div @ < 1 GHz			
External Trigger Sensitivity, (Edge Trigger)	2 div @ < 3.5 GHz 1.5 div @ < 1.75 GHz 1.0 div @ < 200 MHz (for DC coupling, ≥ 10 mV/di	v, 50 Ω)					
Max. Trigger Frequency, SMART Trigger	2.0 GHz @ ≥ 10 mV/div (minimum triggerable width	200 ps)					
Trigger Types							
Edge	Triggers when signal meets:						
Width			ectable as low as 200 ps to 20				
Glitch Window	Triggers on positive or negative glitches (widths selectable as low as 200 ps to 20 s) or on intermittent faults. Triggers when signal exits a window defined by adjustable thresholds.						
Pattern	Logic combination (AND NAI	ND OR NOB) of 5 inputs (4 c	hannels and external trigger in cted independently. Triggers a	put). Each source can be t start or end of the pattern.			
TV-Composite Video	Triggers NTSC or PAL with selectable line and field; HDTV (720p, 1080i, 1080p) with selectable frame rate (50 or 60 Hz) and line; or CUSTOM with selectable fields (1-8), lines (up to 2000), frame rates (25, 30, 50 or 60 Hz), interlacing (1:1, 2:1, 4:1, 8:1) or synch pulse slope (positive or negative).						
Runt			e limits and two time limits. Se				
Slew Rate			Select edge limits between 1 ns	and 20 ns.			
Interval	Triggers on intervals selectal		1 100				
Dropout Evaluation Triggaring	Triggers if signal drops out for		between 1 ns and 20 s. behavior and triggering when t	that agadition is not most			
Exclusion Triggering Measurement Trigger			trigger on a measurement val				
Wedstrement Higger	be used as only trigger or las	st event in a Cascade Trigger	ingger of a measurement var	ac with qualifica litriits. Oan			
Multi-stage: Qualified	sources is selectable by time	e or events.	ge occurred on another input s				
Multi-stage: Qualified First	satisfied in the first segment	de, triggers repeatably on eve of the acquisition. Holdoff l	ent B only if a defined pattern, s between sources is selectable	state or edge (event A) is by time or events.			
High- and Low-speed Serial Prot		pe Features, Options and Acco	essories Catalog for the latest c	offerings on all our			
Measurement Tools							
Measurement Functionality	deviation and total number. I Histicons provide a fast, dyn addition, subtraction, multipl	Each occurrence of each par amic view of parameters and ication or division of two diff	statistics including mean, mir ameter is measured and adde d waveshape characteristics. F ferent parameters. Parameter ot criteria define allowable valu	d to the statistics table. Parameter math allows gates define the location for			
Measurement Parameters - Horizontal + Jitter	(number of, @level), Fall Tim N Cycle Jitter (peak-peak), N (10-90, @levels), Setup (@lev Time (@level), Width (50%, @	e (90-10, @levels), Frequenc umber of Points, Period (50% vels), Skew (@levels), Slew R blevel), Δ Width (@level), X(va	0%), Δ Delay (50%), Duty Cycle cy (50%, @level), Half Period (@ 6, @level), Δ Period (@level), Pl ate (@levels), Time Interval Eri alue)@max, X(value)@min	Dlevel), Ĥold Time (@level), nase (@level), Rise Time ror (@level), Time (@level), Δ			
Measurement Parameters - Vertical	Amplitude, Base, Level@X, M	<u>1aximum, Mean, Median, Mir</u>	<u>nimum, Peak-to-Peak, RMS, Sto</u>	d. Deviation, Top			
Measurement Parameters - Pulse	Width (50%)		positive, negative), Rise Time				
Measurement Parameters - Statistical (on Histograms)	Range, RMS, Std. Deviation,	, Ampiluue, Base, Peak@Ma Top, X(value)@Peak, Peaks (nxPopulation, Maximum, Mean number of), Percentile, Popula	, iviedian, Minimum, Mode, tion (@bin, total)			

	WaveMaster 804Zi-B (SDA)	WaveMaster 806Zi-B (SDA)	WaveMaster 808Zi-B (SDA)	WaveMaster 813Zi-B (SDA)
Math Tools				
Math Functionality	Display up to 12 math funct	ions traces (F1-F12). The ea	sy-to-use graphical interface s	implifies setup of up to two
Math Operators - Basic Math		e (continuous), Difference (-),	an be chained together to perform Envelope, Floor, Invert (negate	
Math Operators - Digital (incl. with MSO models/options)			Digital NOT, Digital OR, Digital X	KOR
Math Operators - Filters		bits vertical), Interpolate (cub		
Math Operators - Frequency Analysis	memory length. Select from	n Rectangular, VonHann, Ham	real, imaginary, magnitude squ ming, FlatTop and Blackman F	larris windows.
Math Operators - Functions	Invert (negate), Log (base e)	(two waveforms), Derivative, I), Log (base 10), Reciprocal, R	Deskew (resample), Exp (base escale (with units), Square, Sq	e), Exp (base 10), Integral, uare root, Zoom (identity)
Math Operators - Other	Segment, Sparse			
Measurement and Math Integrat			.90	T
	to 1 million measurement pa	stical distributions of up to 2 i arameters. Track (display pa togram and persistence trace	oillion measurement paramete rameter vs. time, time-correlat · (mean, range, sigma).	rs. Trend (datalog) of up ed to acquisitions) any
Pass/Fail Testing				
	$\langle , \leq , = , > , \geq ,$ within limit $\pm \Delta$ value, or Any Out conditions). Concern, "Any False", or groups	alue or %) or Mask Test (pre-d combine queries into a boolea of "All" or "Any", with followin	Parameter Comparison (compefined or user-defined mask, wn expression to Pass or Fail IF g THEN Save (waveforms), Stoard, send to printer), or (save) l	vaveform All In, All Out, Any "All True", "All False", "Any op, Alarm, (send) Pulse,
Display System	0 15 0 (
Size Resolution	WXGA; 1280 x 768 pixels	ctive Matrix LCD with high-res	solution touch screen	
Number of Traces		aces (up to 40 with some sof	tware options). Simultaneousl	y display channel, zoom,
Grid Styles		tal, X-Y, Single+X-Y, Dual+X-Y		
Waveform Representation	Sample dots joined, or samp	ple dots only		
Processor/CPU				
Туре	Intel® Core™ i7-4770S Quad,	, 3.1 GHz (up to 3.9 GHz in Tu	rbo mode) or better	
Processor Memory	32 GB standard for L-128 ar	mory (32 Mpt) and M-64 mer nd VL-256 memory options	nory options	
Operating System Real-Time Clock	Microsoft Windows® 10	a wayofarm in hardaany filaa	SNTP support to synchronize to	nragician internal alaska
Connectivity	Date and time displayed with	i waveroitti iii fiarucopy files.	SINTE Support to Syricinoriize ti	o precision internal clocks.
Ethernet Port	Supports 10/100/1000Base	eT Ethernet interface (RJ45 p	ort)	
USB Host Ports			Windows-compatible devices	
GPIB Port (Optional)	Supports IEEE-488.2		•	
External Monitor Port			nded desktop operation with s	second monitor
Remote Control		tion or via LeCroy Remote Co	mmand Set	
Network Communication Standard	VXI-11 or VICP, LXI Class C ((V1.2) compliant		
Power Requirements Voltage		6 Hz; 100-120 VAC ±10% at 3	880-420 Hz; automatic AC volt	age selection, Installation
Max Power Consumption	Category II 975 W / 975 VA			
Environmental				
Temperature (Operating)	+5 °C to +40 °C			
Temperature (Non-Operating)	-20 °C to +60 °C			
Humidity (Operating)	5% to 90% RH (non-conden	ising) up to +31 °C, upper limi	t derating to 50% RH (non-con	densing) at +40 °C
Humidity (Non-Operating)		sing) as tested per MIL-PRF-2	8800F	
Altitude (Operating)	Up to 10,000 ft (3048 m) at	or below +30 °C		
Altitude (Non-Operating) Pandom Vibration (Operating)	Up to 40,000 ft (12,192 m)	minutes in each of three	and avec	
Random Vibration (Operating) Random Vibration (Non-Operating)		s minutes in each of three ortl s minutes in each of three ortl		
Functional Shock			ive) in each of three orthogonal a	ixes, 18 shocks total
Size and Weight	14" 1 1 2 1 0 4" 1 1 2 2 2 5 (0.55	· , 467 ., 406 ······		
Dimensions (HWD) Weight	14" H x 18.4" W x 16" D (355 51.5 lbs. (23.4 kg)	x 46/ X 406 mm)		
Certifications	51.5 lbs. (25.4 kg)			
CE Certification UL and cUL Listing	CE compliant, UL and cUL li CSA C22.2 No. 61010-1-12	sted; conforms to EN 61326,	EN 61010-1, EN61010-2-030,	UL 61010-1 3rd edition and
Warranty and Service				
Transactive and octation	3-year warranty; calibration	recommended annually. Opti	onal service programs include	extended warranty,
	upgrades and calibration se			

	WaveMaster 816Zi-B (SDA)	WaveMaster 820Zi-B (SDA)	WaveMaster 825Zi-B (SDA)	WaveMaster 830Zi-B (SDA)	
Math Tools					
Math Functionality	Display up to 12 math funct	ions traces (F1-F12). The ea	sy-to-use graphical interface s	implifies setup of up to two	
Math Operators - Basic Math	operations on each function trace, and function traces can be chained together to perform math-on-math. Average (summed), Average (continuous), Difference (–), Envelope, Floor, Invert (negate), Product (x), Ratio (/), Reciprocal, Rescale (with units), Roof, Sum (+)				
Math Operators - Digital (incl. with MSO models/options)			Digital NOT, Digital OR, Digital 2	KOR	
Math Operators - Filters	Enhanced resolution (to 15	bits vertical), Interpolate (cub	ic quadratic sinx/x)		
Math Operators - Frequency Analysis	FFT (power spectrum, magi	nitude, phase, power density,	real, imaginary, magnitude squ	uared) up to full analysis	
Math Operators - Functions	Absolute value, Correlation	(two waveforms), Derivative, I	ıming, FlatTop and Blackman I Deskew (resample), Exp (base	e), Exp (base 10), Integral,	
Math Operators - Other	Segment, Sparse	i, Log (base 10), Reciprocal, R	Rescale (with units), Square, Sq	uare root, Zoom (identity)	
Measurement and Math Integral	,				
incustrement and mattrintegra	Histograms to display statis to 1 million measurement p	stical distributions of up to 2 la arameters. Track (display pa cogram and persistence trace	oillion measurement paramete rameter vs. time, time-correlat e (mean, range, sigma).	rs. Trend (datalog) of up ed to acquisitions) any	
Pass/Fail Testing	<u>'</u>	,			
	<, ≤, =, >, ≥, within limit ±∆ va In, or Any Out conditions). C True", "Any False", or groups	alue or %) or Mask Test (pre-d ombine queries into a boolea of "All" or "Any", with followin	Parameter Comparison (complefined or user-defined mask, volume expression to Pass or Fail IF g THEN Save (waveforms), Stoard, send to printer) or (save) L	vaveform All In, All Out, Any "All True", "All False", "Any op, Alarm, (send) Pulse,	
Display System					
Size	Color 15.3" flat panel TFT-Ad WXGA; 1280 x 768 pixels	ctive Matrix LCD with high-res	solution touch screen		
Resolution Number of Traces		aces (up to 40 with some sof	tware options). Simultaneousl	y display channel, zoom,	
Grid Styles		tal, X-Y, Single+X-Y, Dual+X-Y			
Waveform Representation	Sample dots joined, or sam	ole dots only			
Processor/CPU					
Туре	Intel® Core™ i7-4770S Quad	3.1 GHz (up to 3.9 GHz in Tu	rbo mode), or better		
Processor Memory	16 GB standard for STD me 32 GB standard for L-128 ar	mory (32 Mpt) and M-64 men nd VL-256 memory options	nory options		
Operating System	Microsoft Windows® 10				
Real-Time Clock	Date and time displayed with	n waveform in hardcopy files.	SNTP support to synchronize to	o precision internal clocks.	
Connectivity					
Ethernet Port		eT Ethernet interface (RJ45 p			
USB Host Ports GPIB Port (Optional)	Supports IEEE-488.2	panei USB 2.0 ports support	: Windows-compatible devices		
External Monitor Port		etor includes support for exte	ended desktop operation with s	second monitor	
Remote Control		tion, or via LeCroy Remote Co		SCCOTIG THOTHEOI	
Network Communication Standard	VXI-11 or VICP, LXI Class C				
Power Requirements		, ,			
Voltage	100-240 VAC ±10% at 45-6 Category II	6 Hz; 100-120 VAC ±10% at 3	380-420 Hz; automatic AC volt	age selection, Installation	
Max Power Consumption		/ 975 VA	1025 W /	1025 VA	
Environmental					
Temperature (Operating)	+5 °C to +40 °C				
Temperature (Non-Operating)	−20 °C to +60 °C				
Humidity (Operating)			t derating to 50% RH (non-con	densing) at +40 °C	
Humidity (Non-Operating)		sing) as tested per MIL-PRF-2	28800F		
Altitude (Operating) Altitude (Non-Operating)	Up to 10,000 ft (3048 m) at	or below +30 °C			
Random Vibration (Operating)	Up to 40,000 ft (12,192 m)	minutes in each of three ortl	hogonal aves		
Random Vibration (Non-Operating)		minutes in each of three orth			
Functional Shock			tive) in each of three orthogonal a	ixes, 18 shocks total	
Size and Weight	1 A" v 10 A" M v 10" D (055	v 467 v 400\			
Dimensions (HWD) Weight	14" H x 18.4" W x 16" D (355	x 46/ x 406 mm) . (23.4 kg)	58 lbs. (26.4 kg)	
•	Sul c.1c	. (20.4 Ng)	30 IDS. (20.4 Ny)	
Certifications CE Certification UL and cUL Listing	CE compliant, UL and cUL li CSA C22.2 No. 61010-1-12	sted; conforms to EN 61326,	EN 61010-1, EN61010-2-030,	UL 61010-1 3rd edition and	
· ·					
Warranty and Service	2 year warranty aslibration	rocommonded annually O-4	onal service programs include	ovtonded warranty	
	upgrades and calibration se	rvices.	onar service programs include	exteriued warrarity,	

ORDERING INFORMATION

Weeklaster 807-B Series Oscilloscopes 4 Gr.2, 4 GS/4, 6.12 Mills (A.1) Series Oscilloscopes 4 Gr.2, 4 GS/4, 6.24 Mills (A.1) Series Oscilloscopes 4 Gr.2, 4 GS/4, 6.12 Mills (A.1) Series Oscilloscopes 4 Gr.2, 4 GS/4, 6.12 Mills (A.1) Series Oscilloscopes 4 Gr.2, 4 GS/4, 6.12 Mills (A.1) Series Oscilloscopes 4 Gr.2, 4 GS/4, 6.12 Mills (A.1) Series Oscilloscopes 4 Gr.2, 4 GS/4, 6.12 Mills (A.1) Series Oscilloscopes 4 Gr.2, 4 GS/4, 6.12 Mills (A.1) Series Oscilloscopes 4 Gr.2, 4 GS/4, 6.12 Mills (A.1) Series Oscilloscopes 4 Gr.2, 4 GS/4, 6.12 Mills (A.1) Series Oscilloscopes 4 Gr.2, 4 GS/4, 6.12 Mills (A.1) Series Oscilloscopes 4 Gr.2, 6 GS/4, 6 Mills (A.1) Series Oscilloscopes 4 Gr.2, 6 GS/4, 6 Mills (A.1) Series Oscilloscopes 4 Gr.2, 6 GS/4, 6 Mills (A.1) Series Oscilloscopes 4 Gr.2, 6 GS/4, 6 Mills (A.1) Series Oscilloscopes 4 GS/4, 6 GS/4, 6 Mills (A.1) Series	Product Description	Product Code	Product Description	Product Code
5.5. WGA Color Display 9.0 pt and 1 MD Inputs 5.5. WGA Color Display 9.0 pt and 1 MD Inputs 5.5. WGA Color Display 9.0 pt and 1 MD Inputs 5.6. WGA Color Display 9.0 pt and 1 MD Inputs 5.6. WGA Color Display 9.0 pt and 1 MD Inputs 5.6. WGA Color Display 9.0 pt and 1 MD Inputs 5.6. WGA Color Display 9.0 pt and 1 MD Inputs 5.6. WGA Color Display 9.0 pt and 1 MD Inputs 6.6. WGA Color Display 9.0 pt and 1 MD Inputs 6.6. WGA Color Display 9.0 pt and 1 MD Inputs 6.6. WGA Color Display 9.0 pt and 1 MD Inputs 6.6. LP 3 GISP, 3 M Input 9.0 wga well as the state of the				
5.5.2 WXXA Color Deplays (0.0 and 1 MG Inputs 15.3 WXXA Color Display 5.0 and 1 MG Inputs 15.3 WXXA Color Disp	15.3" WXGA Color Display. 50 Ω and 1 M Ω Inputs		WaveMaster 8 Zi-B (not available for 816Zi-B, 820Zi-B,	WM8Zi-2X80GS
includes 1 6 Bit of RAM waveMaster 3032-15 15.6° W.GG.Cole Positive 5 00 and 1 M0 inputs. 15.6° W.GG.Cole Positive 5 00 and 1 M0 inputs. 15.6° W.GG.Cole Positive 5 00 and 1 M0 inputs. 15.6° W.GG.Cole Positive 5 00 and 1 M0 inputs. 15.6° W.GG.Cole Positive 5 00 and 1 M0 inputs. 15.6° W.GG.Cole Positive 5 00 and 1 M0 inputs. 15.6° W.GG.Cole Positive 5 00 and 1 M0 inputs. 15.6° W.GG.Cole Positive 5 00 and 1 M0 inputs. 15.6° W.GG.Cole Positive 5 00 and 1 M0 inputs. 15.6° W.GG.Cole Positive 5 00 and 1 M0 inputs. 15.6° W.GG.Cole Positive 5 00 and 1 M0 inputs. 15.6° W.GG.Cole Positive 5 00 and 1 M0 inputs. 15.6° W.GG.Cole Positive 5 00 and 1 M0 inputs. 15.6° W.GG.Cole Positive 5 00 and 1 M0 inputs. 15.6° W.GG.Cole Positive 5 00 and 1 M0 inputs. 15.6° W.GG.Cole Positive 5 00 and 1 M0 inputs. 15.6° W.GG.Cole Positive 50 and 1 M		WaveMaster 806Zi-B	interleaving devices with storage case	
includes 16 GB of RAM for Includes 16 GB of RAM		WaveMaster 808Zi-B	includes 16 GB of RAM	
### WaveMaster 8 16.2Fb 820 carcifaction 146-14 09 S8/s 2, 27 Motifac/Ch mode. 20 GHz, 80 GS/s 64 Miss Ch Devis Bendwidth S12 WMSA Devis Bapty, 95 O and 1 Mil Imputs, Also carcifaction 146-14 09 S8/s 2, 27 Motifac/Ch mode. 25 GHz, 80 GS/s 64 Miss Ch Devis Bendwidth Displays 90 and 1 Mil Inputs, Also operates in 20 GHz, 40 GS/s 64 Miss Ch Devis Bendwidth Interfaceword (D8) Ecollectory 15 Child S12 Motifaction 12 Mil Imputs, 40 GS/s 64 Miss Ch Devis Bendwidth Interfaceword (D8) Ecollectory 15 Child S12 Miss Child Devis Alloyer 15 S12 WMSA Child S12 Miss Chi		WaveMaster 813Zi-B	includes 16 GB of RAM	
includes 22 GB of RAM IS VIXACA Color begalty 80 Dat AI MOI Inputs, Also operates in 46h, 40 GS/s, 37 Mpts/Ch immode SDA 27-B Series Serial Data Analyzers AIS OS SERIA		WaveMaster 816Zi-B	includes 16 GB of RÁM	
15.5 WXXCA Color Display, 60 Q and 1 MD Inputs. 48.0 cogenate in 46.4 Q SSy 2, 6 M March 10.5 WXXCA Color Display 60 Collections (PM 15.5 WXXCA Color Display 60 Collections) (PM 15.5 WXXCA Color Displa		WayaMactor 9207i B	includes 32 GB of RAM	WM8Zi-L-128
256 Mpts/Ch Memory Option for Vave-Moster 8:22-B, WM82FVL:256 Displays, 5th 0 and 1 Mil Imputs. Also operates in 20 GHz., 40 SSPs, 24th, 25 Mpts/Ch mode. 256 Mpts/Ch Memory Option for Vave-Moster 8:22-B, 256 Mpts/Ch Memory Option for Vave-Moster 8:22-B, WM82FVL:256 Mpts/Ch Memory Option for Vave-Moster 8:22-B, 256 Mpts/Ch Memory Option for Vave-Moster 8:22-B, 256 Mpts/Ch Memory Option for Vave-Moster 8:22-B, 256 Mpts/Ch Memory Option for SDA 8:27-B, 256 Mpts/Ch Memory Option for SDA 8:27-B, 256 Mpts/Ch Memory Option for Vave-Moster 8:27-B, 256 Mpts/Ch Mpts/Ch mode. 256 Mpts/Ch Memory Option for Vave-Moster 8:27-B, 256 Mpts/Ch Mpts/Ch mode. 256 Mpts/Ch M	15.3" WXGA Color Display. 50 Ω and 1 M Ω Inputs.	Wavelviastei 0202FB	includes 32 GB of RAM	
Display, 50 Q and 1 MB Inputs. Also operates in 20 GHz. 10 GHz, 80 GS/s 64 Mpts/Ch mode. 10 GS/s 4, 40 GS/s 4, 40 Mpts/Ch mode. 10 GS/s 4, 40 Mpts/Ch mode. 10 GHz, 80 GS/s 4, 40 Mpts/Ch Serial Data Analyzer with 1.5.3 WXGA Color Display 50 Q and 1 MB Inputs. 10 GHz, 80 GS/s 4, 40 Mpts/Ch Serial Data Analyzer 11 GS/s WKGA Color Display 50 Q and 1 MB Inputs. 10 GHz, 80 GS/s 4, 40 Mpts/Ch Serial Data Analyzer 11 GS/s WKGA Color Display 50 Q and 1 MB Inputs. 10 GHz, 80 GS/s 4, 40 Mpts/Ch Serial Data Analyzer 11 GS/s WKGA Color Display 50 Q and 1 MB Inputs. 10 GHz, 80 GS/s 4, 40 Mpts/Ch Serial Data Analyzer 11 GS/s WKGA Color Display 50 Q and 1 MB Inputs. 10 GHz, 80 GS/s 4, 40 Mpts/Ch Serial Data Analyzer 11 GS/s WKGA Color Display 50 Q and 1 MB Inputs. 10 GHz, 80 GS/s 128 Mpts/Ch Serial Data Analyzer 11 GS/s WKGA Color Display 50 Q and 1 MB Inputs. 10 GHz, 80 GS/s 128 Mpts/Ch Serial Data Analyzer 11 GS/s WKGA Color Display 50 Q and 1 MB Inputs. 10 GHz, 80 GS/s 128 Mpts/Ch Serial Data Analyzer 11 GS/s WKGA Color Display 50 Q and 1 MB Inputs. 10 GHz, 80 GS/s 128 Mpts/Ch Serial Data Analyzer 11 GS/s WKGA Color Display 50 Q and 1 MB Inputs. 10 GHz, 80 GS/s 128 Mpts/Ch Serial Data Analyzer 11 GS/s WKGA Color Display 50 Q and 1 MB Inputs. 10 GHz, 80 GS/s 128 Mpts/Ch Mpts/Ch mode. 21 GHz, 80 GS/s 128 Mpts/Ch Mpts/Ch mode. 22 GHz, 80 GS/s 128 Mpts/Ch Serial Data Analyzer 11 GS/s WKGA Color Display 50 Q and 1 MB Inputs. 23 GHz, 80 GS/s 128 Mpts/Ch Mpts/Ch mode. 24 GHz, 80 GS/s 128 Mpts/Ch Mpts/Ch mode. 25 GHz, 80 GS/s 128 Mpts/Ch Mpts/Ch mode. 26 GHz, 80 GS/s 128 Mpts/Ch Mpts/Ch mode. 27 GHz, 80 GS/s 128 Mpts/S Charel Data Analyzer with 15.3 WKGA Color Display 50 Q and 1 MB Inputs. 28 GHz, 80 GS/s 128 Mpts/S Charel Data Analyzer with 15.3 WKGA Color Display 50 Q and 1 MB Inputs. 2	25 GHz, 80 GS/s, 64 Mpts/Ch Digital Bandwidth	WaveMaster 825Zi-B	includes 32 GB of RAM	
Interleaved (DRI) Oscilloscope with 16.5° WXGA Color Displey 60 and 1 MD Inputs, 43.5° WASTA (DRIPE) Serial Data Analyzer 8 4 GHz, 10 GSVs, 4ch, 24 MBzC/Ch mode. SDA 8 ZH-B Series Serial Data Analyzer 8 4 GHz, 10 GSVs, 4ch, 54 MBzC/Ch Serial Data Analyzer 8 5 GHz, 24 GSVs, 4ch, 54 MBzC/Ch Serial Data Analyzer 8 6 GHz, 24 GSVs, 4ch, 54 MBzC/Ch Serial Data Analyzer 8 6 GHz, 24 GSVs, 4ch, 54 MBzC/Ch Serial Data Analyzer 8 6 GHz, 24 GSVs, 4ch, 54 MBzC/Ch Serial Data Analyzer 8 6 GHz, 24 GSVs, 4ch, 54 MBzC/Ch Serial Data Analyzer 8 6 GHz, 24 GSVs, 4ch, 54 MBzC/Ch Serial Data Analyzer 9 6 GHz, 25 GSVs, 4ch, 54 MBzC/Ch Serial Data Analyzer 9 6 GHz, 25 GSVs, 4ch, 54 MBzC/Ch Serial Data Analyzer 9 6 GHz, 25 GSVs, 4ch, 54 MBzC/Ch Serial Data Analyzer 9 6 GHz, 25 GSVs, 4ch, 54 MBzC/Ch Serial Data Analyzer 9 6 GHz, 25 GSVs, 4ch, 54 MBzC/Ch Serial Data Analyzer 9 6 GHz, 25 GSVs, 4ch, 54 MBzC/Ch Serial Data Analyzer 9 6 GHz, 25 GSVs, 4ch, 54 MBzC/Ch Serial Data Analyzer 9 6 GHz, 25 GSVs, 4ch, 54 MBzC/Ch Serial Data Analyzer 9 6 GHz, 25 GSVs, 52 MBzC/Ch Serial Data Analyzer 10 6 GHz, 25 GSVs, 52 MBzC/Ch Serial Data Analyzer 10 6 GHz, 25 GSVs, 52 MBzC/Ch Serial Data Analyzer 10 6 GHz, 25 GSVs, 52 MBzC/Ch Serial Data Analyzer 10 6 GHz, 25 GSVs, 52 MBzC/Ch Serial Data Analyzer 10 6 GHz, 25 GSVs, 52 MBzC/Ch Serial Data Analyzer 10 6 GSVs, 52 MBzC/Ch Seri	Display. 50 Ω and 1 M Ω Inputs. Also operates in 20 GHz, 40 GS/s, 4ch, 32 Mpts/Ch mode.			SDA8Zi-VL-256
Display, Si O and 1 Mil Inputs. Also operates in 20 GHz, 40 GS/s, 4ch, 25 Mpts/Ch Decay MysZ-Insurance Space A GHz, 40 GS/s, 4ch, 64 Mpts/Ch Serial Data Analyzer with 1.53 WXSA Color bisplay, 50 0 and 1 Mil Inputs, 55 GHz, 40 GS/s, 4ch, 64 Mpts/Ch Serial Data Analyzer with 1.53 WXSA Color bisplay, 50 0 and 1 Mil Inputs, 5.5 GHz, 40 GS/s, 4ch, 64 Mpts/Ch Serial Data Analyzer with 1.53 WXSA Color bisplay, 50 0 and 1 Mil Inputs, 5.5 GHz, 40 GS/s, 4ch, 64 Mpts/Ch Serial Data Analyzer with 1.53 WXSA Color bisplay, 50 0 and 1 Mil Inputs, 5.5 GHz, 40 GS/s, 4ch, 64 Mpts/Ch Serial Data Analyzer with 1.53 WXSA Color bisplay, 50 and 1 Mil Inputs, 5.5 GHz, 40 GS/s, 4ch, 64 Mpts/Ch Serial Data Analyzer with 1.53 WXSA Color bisplay, 50 0 and 1 Mil Inputs, 5.5 GHz, 40 GS/s, 4ch, 64 Mpts/Ch Serial Data Analyzer with 1.53 WXSA Color bisplay, 50 0 and 1 Mil Inputs, 5.5 GHz, 52 GHz, 5	30 GHz, 80 GS/s, 64 Mpts/Ch Digital Bandwidth Interleaved (DBI) Oscilloscope with 15.3" WXGA Color	WaveMaster 830Zi-B	CPU. Computer and Other Hardware Options	
Additional Removable Solid State Drive WM8ZI-RSSD-02 4 GHz, 40 GS/s, 4ch, 64 Mpts/Ch Serial Data Analyzer with 15.3 "WXGA Color Display, 50 and 1 Mid Inputs, 5.5 Gb/s Serial Trigger, 80 10 and 640/566 decode. 5 GHz, 40 GS/s, 4ch, 64 Mpts/Ch Serial Data Analyzer with 15.3 "WXGA Color Display, 50 and 1 Mid Inputs, 5.6 Gb/s Serial Trigger, 80 10 and 640/566 decode. 5 GHz, 40 GS/s, 4ch, 64 Mpts/Ch Serial Data Analyzer with 15.3 "WXGA Color Display, 50 and 1 Mid Inputs, 5.6 Gb/s Serial Trigger, 80 10 and 640/566 decode. 5 GHz, 40 GS/s, 4ch, 64 Mpts/Ch Serial Data Analyzer with 15.3 "WXGA Color Display, 50 cand 1 Mid Inputs, 5.6 Gb/s Serial Trigger, 80 10 and 640/566 decode. 5 GHz, 40 GS/s, 4ch, 64 Mpts/Ch Serial Data Analyzer with 15.3 "WXGA Color Display, 50 and 1 Mid Inputs, 5.6 Gb/s Serial Trigger, 80 10 and 640/566 decode. 5 GHz, 5	Display. 50 $\hat{\Omega}$ and 1 M Ω Inputs. Also operates in 20 GHz,		16 GB to 32 GB CPU RAM Option WM8	BZI-16-UPG-32GBRAM
SDA 87-B Series Serial Data Analyzers with 15.3 "WXGA Color bispley. 50 and 1 MG Inputs, 65 Gb/s Serial Trigger, 80/10 and 64b/66b decode. 6 GHz. 40 GS/s, 4ch, 64 Mpts/Ch Serial Data Analyzer with 15.3 "WXGA Color bispley. 50 and 1 MG Inputs, 6.5 Gb/s Serial Trigger, 80/10 and 64b/66b decode. 8 GHz. 40 GS/s, 4ch, 64 Mpts/Ch Serial Data Analyzer with 15.3 "WXGA Color bispley. 50 and 1 MG Inputs, 6.5 Gb/s Serial Trigger, 80/10 and 64b/66b decode. 8 GHz. 40 GS/s, 4ch, 64 Mpts/Ch Serial Data Analyzer with 15.3 "WXGA Color bispley. 50 and 1 MG Inputs, 6.5 Gb/s Serial Trigger, 80/10 and 64b/66b decode. 8 GHz. 40 GS/s, 4ch, 64 Mpts/Ch Serial Data Analyzer with 15.3 "WXGA Color bispley. 50 and 1 MG Inputs, 6.5 Gb/s Serial Trigger, 80/10 and 64b/66b decode. 8 GHz. 40 GS/s, 128 Mpts/Ch Serial Data Analyzer with 15.3 "WXGA Color bispley. 50 and 1 MG Inputs, 6.5 Gb/s Serial Trigger, 80/10 and 64b/66b decode. 8 GHz. 40 GS/s, 128 Mpts/Ch Serial Data Analyzer with 15.3 "WXGA Color bispley. 50 and 1 MG Inputs, 6.5 Gb/s Serial Trigger, 80/10 and 64b/66b decode. 8 GHz. 40 GS/s, 128 Mpts/Ch Serial Data Analyzer with 15.3 "WXGA Color bispley. 50 and 1 MG Inputs, 6.5 Gb/s Serial Trigger, 80/10 and 64b/66b decode. 8 GHz. 40 GS/s, 128 Mpts/Ch Digital Bandwidth Interleaved (DB) Serial Data Analyzer with 15.3 "WXGA Color bispley. 50 and 1 MG Inputs, 6.5 Gb/s Serial Trigger, and 8b/10 and 64b/66b decode. 8 Inputs, 6.5 Gb/s Serial Trigger, and 8b/10 and 64b/66b decode. 8 Inputs, 6.5 Gb/s Serial Trigger, and 8b/10 and 64b/66b decode. 8 Inputs, 6.5 Gb/s Serial Trigger, and 8b/10 and 64b/66b decode. 8 Inputs, 6.5 Gb/s Serial Trigger, and 8b/10 and 64b/66b decode. 8 Inputs, 6.5 Gb/s Serial Trigger, and 8b/10 and 64b/66b decode. 8 Inputs, 6.5 Gb/s Serial Trigger, and 8b/10 and 64b/66b decode. 8 Inputs, 6.5 Gb/s Serial Trigger, and 8b/10 and 64b/66b decode. 8 Inputs, 6.5 Gb/s Serial Trigger, and 8b/10 and 64b/66b decode. 8 Inputs, 6.5 Gb/s Serial Trigger, and 8b/10 and 64b/66b decode. 8 Inputs, 6.5 Gb/s Serial Trigger, and 8b/10 and 64b/66b de	40 GS/s, 4ch, 32 Mpts/Ch mode.			WW.4071 DCCD 02
with 153" WXGA Color Display, 50 Q and 1 MQ Inputs, 65 Gbb/s Serial Trigger, 8th/106 and 64b/66b decode. 8 Gbt/s, 40 GSVs, 4ch, 64 Mpts/Ch Serial Data Analyzer with 153" WXGA Color Display, 50 Q and 1 MQ Inputs, 65 Gbb/s Serial Trigger, 8th/106 and 64b/66b decode. 8 Gbt/s, 40 GSVs, 4ch, 64 Mpts/Ch Serial Data Analyzer with 153" WXGA Color Display, 50 Q and 1 MQ Inputs, 65 Gbb/s Serial Trigger, 8th/106 and 64b/66b decode. 8 Gbt/s, 40 GSVs, 4ch, 64 Mpts/Ch Serial Data Analyzer with 153" WXGA Color Display, 50 Q and 1 MQ Inputs, 65 Gbb/s Serial Trigger, 8th/106 and 64b/66b decode. 8 Gbt/s Serial Trigger, and 8th/10b and 64b/66b decode. 8 Gbt/s Serial Trigger, and 8th/10b and 64b/66b decode. 8 Gbt/s Serial Trigger, and 8th/10b and 64b/66b decode. 8 Gbt/s Serial Trigger, and 8th/10b and 64b/66b decode. 8 Gbt/s Serial Trigger, and 8th/10b and 64b/66b decode. 8 Gbt/s Serial Trigger, and 8th/10b and 64b/66b decode. 8 Gbt/s Serial Trigger, and 8th/10b and 64b/66b decode. 8 Gbt/s Serial Trigger, and 8th/10b and 64b/66b decode. 8 Gbt/s Serial Trigger, and 8th/10b and 64b/66b decode. 8 Gbt/s Serial Trigger, and 8th/10b and 64b/66b decode. 8 Gbt/s Serial Trigger, and 8th/10b and 64b/66b decode. 8 Gbt/s Serial Trigger, and 8th/10b and 64b/66b decode. 8 Gbt/s Serial Trigger, and 8th/10b and 64b/66b decode. 8 Gbt/s Serial Trigger, and 8th/10b and 64b/66b decode. 8 Gbt/s Serial Trigger, and 8th/10b and 64b/66b decod			Additional Removable Solid State Drive	WW8ZI-R55D-UZ
6.6 GHz, 40 GS/s, 4ch, 64 Mpts/Ch Serial Data Analyzer with 15.3" WXGA Color Display, 50 Q and 1 MQ Inputs, 6.5 GHz, 40 GS/s, 4ch, 64 Mpts/Ch Serial Data Analyzer with 15.3" WXGA Color Display, 50 Q and 1 MQ Inputs, 6.5 GHz, 52 GS/s, 4ch, 64 Mpts/Ch Serial Data Analyzer with 15.3" WXGA Color Display, 50 Q and 1 MQ Inputs, 6.5 GHz, 52 GS/s, 4ch, 64 Mpts/Ch Serial Data Analyzer with 15.3" WXGA Color Display, 50 Q and 1 MQ Inputs, 6.5 GHz, 52 GS/s, 4ch, 64 Mpts/Ch Serial Data Analyzer with 15.3" WXGA Color Display, 50 Q and 1 MQ Inputs, 6.5 GHz, 52 GS/s, 4ch, 64 Mpts/Ch Serial Data Analyzer with 15.3" WXGA Color Display, 50 Q and 1 MQ Inputs, 6.5 GHz, 52 GS/s, 4ch, 64 Mpts/Ch Serial Data Analyzer with 15.3" WXGA Color Display, 50 Q and 1 MQ Inputs, 6.5 GHz, 52 GS/s, 128 Mpts/Ch Serial Data Analyzer with 15.3" WXGA Color Display, 50 Q and 1 MQ Inputs, 6.5 GHz, 52 GS/s, 128 Mpts/Ch Serial Data Analyzer with 15.3" WXGA Color Display, 50 Q and 1 MQ Inputs, 6.5 GHz, 52 GS/s, 128 Mpts/Ch Serial Data Analyzer with 15.3" WXGA Color Display, 50 Q and 1 MQ Inputs, 6.5 GHz, 52 GS/s, 128 Mpts/Ch Serial Data Analyzer with 15.3" WXGA Color Display, 50 Q and 1 MQ Inputs, 6.5 GHz, 52 GS/s, 128 Mpts/Ch Digital Bendwidth Serial Data Analyzer with 15.3" WXGA Color Display, 50 Q and 1 MQ Inputs, 6.5 GHz, 52 GS/s, 128 Mpts/Ch Digital Bendwidth Serial Data Analyzer with 15.3" WXGA Color Display, 50 Q and 1 MQ Inputs, 6.5 GHz, 52 GS/s, 4ch, 64 Mpts/Ch mode. 25 GHz, 80 GS/s, 40, 64 Mpts/Ch mode. 25 GHz, 80 GS/s, 40, 64 Mpts/Ch mode. 26 GHz, 80 GS/s, 40, 64 Mpts/Ch mode. 27 GHz, 40 GS/s, 40, 64 Mpts/Ch mode. 27 GHz, 40 GS/s, 40, 64 Mpts/Ch mode. 28 GHz, 80 GS/s, 40, 64 Mpts/Ch mode. 29 GHz, 40 GS/s, 40, 64 Mpts/Ch mode. 20 G		SDA 804Zi-B		
SDA 8062-B with 1.5.3" WXGA Color Display, 5.0 and a 1 MD Inputs, 5.5 Gb/s Serial Trigage, 8D/10b and 64b/66b decode. 3 GHz, 4 QG SS/s, 4ch, 64 Mpts/Ch Serial Data Analyzer with 1.5.3" WXGA Color Display, 5.0 and 1 MD Inputs, 5.5 Gb/s Serial Trigage, 8D/10b and 64b/66b decode. 3 GHz, 4 QG SS/s, 4ch, 64 Mpts/Ch Serial Data Analyzer with 1.5.3" WXGA Color Display, 5.0 and 1 MD Inputs, 5.5 Gb/s Serial Trigage, 8D/10b and 64b/66b decode. 13 GHz, 40 GS/s, 4ch, 64 Mpts/Ch Serial Data Analyzer with 1.5.3" WXGA Color Display, 5.0 and 1 MD Inputs, 5.5 Gb/s Serial Trigage, 8D/10b and 64b/66b decode. 16 GHz, 80 GS/s, 128 Mpts/Ch Serial Data Analyzer with 1.5.3" WXGA Color Display, 5.0 and 1 MD Inputs, 6.5 Gb/s Serial Trigage, 8D/10b and 64b/66b decode. 18 GHz, 40 GS/s, 128 Mpts/Ch Serial Data Analyzer with 1.5.3" WXGA Color Display, 5.0 and 1 MD Inputs, 6.5 Gb/s Serial Trigage, 8D/10b and 64b/66b decode. 18 GHz, 80 GS/s, 128 Mpts/Ch Serial Data Analyzer with 1.5.3" WXGA Color Display, 5.0 and 1 MD Inputs, 6.5 Gb/s Serial Trigage, 8D/10b and 64b/66b decode. 18 GHz, 80 GS/s, 128 Mpts/Ch Serial Data Analyzer with 1.5.3" WXGA Color Display, 5.0 and 1 MD Inputs, 6.5 Gb/s Serial Trigage, 8D/10b and 64b/66b decode. 18 GHz, 80 GS/s, 128 Mpts/Ch Digital Bandwidth Interleaved (DB) Serial Data Analyzer -15.3" WXGA Color Display, 5.0 and 1 MD Inputs, 6.5 Gb/s Serial Trigage, 8D/10b and 64b/66b decode. Also operates in 20 GHz, 40 GS/s, 4ch, 64 Mpts/Ch mode. 10 GHz, 40 GS/s, 4ch, 64 Mpts/Ch mode. 10 GHz, 80 GS/s, 4c				M8ZI-CROSSSYNC-PHY
Serial Data and Cross Talk Analysis Alt-1, 40 GS/s, 4ch, 64 Mpts/Ch Serial Data Analyzer with 15.3" WXGA Color Display, 50 Q and 1 MQ Inputs, 6.5 Gb/s Serial Triager, 8b/100 and 64b/66b decode. 13 GHz, 40 GS/s, 4ch, 64 Mpts/Ch Serial Data Analyzer with 15.3" WXGA Color Display, 50 Q and 1 MQ Inputs, 6.5 Gb/s Serial Triager, 8b/10b and 64b/66b decode. 16 GHz, 80 GS/s, 128 Mpts/Ch Serial Data Analyzer with 15.3" WXGA Color Display, 50 Q and 1 MQ Inputs, 6.5 Gb/s Serial Triager, 8b/10b and 64b/66b decode. 16 GHz, 80 GS/s, 128 Mpts/Ch Serial Data Analyzer with 15.3" WXGA Color Display, 50 Q and 1 MQ Inputs, 6.5 Gb/s Serial Triager, 8b/10b and 64b/66b decode. 18 Gyes Serial Proper, 8b/10b and 64b/66b decode. 18 Gyes Serial Triager, 8b/10b and 64b/66b decode. 18		SDA 806Zi-B	Software	
8 GHz, 40 GS/s, 4ch, 64 Mpts/ch Serial Data Analyzer with 15.3° WXGA Color Displays 50 Q and 1 M0 inputs, 6.5 Gb/s Serial Trigger, 8b/10b and 64b/66b decode. 3 GHz, 40 GS/s, 4ch, 64 Mpts/ch Serial Data Analyzer with 15.3° WXGA Color Display 50 Q and 1 M0 inputs, 6.5 Gb/s Serial Trigger, 8b/10b and 64b/66b decode. 16 GHz, 80 GS/s, 128 Mpts/ch Serial Data Analyzer with 15.3° WXGA Color Display 50 Q and 1 M0 inputs, 6.5 Gb/s Serial Trigger, 8b/10b and 64b/66b decode. 15 GHz, 80 GS/s, 128 Mpts/ch Serial Data Analyzer with 15.3° WXGA Color Display 50 Q and 1 M0 inputs, 6.5 Gb/s Serial Trigger, 8b/10b and 64b/66b decode. 26 GHz, 80 GS/s, 128 Mpts/ch Serial Data Analyzer with 15.3° WXGA Color Display 50 Q and 1 M0 inputs, 6.5 Gb/s Serial Trigger, 8b/10b and 64b/66b decode. 26 GHz, 80 GS/s, 128 Mpts/ch Displate Bandwidth Interleaved (DB) Serial Data Analyzer 15.3° WXGA Color Display 50 Q and 1 M0 inputs, 6.5 Gb/s Serial Trigger, and 8b/10b and 64b/66b decode. Also operates in 20 GHz, 40 GS/s, 4cb, 64 Mpts/ch mode. 20 GHz, 50 GS/s, 25 Mpts/ch Digital Bandwidth Inputs, 6 G Gb/s Serial Trigger, and 8b/10b and 64b/66b decode. Also operates in 20 GHz, 40 GS/s, 4cb, 64 Mpts/ch mode. 20 GHz, 40 GS/s, 4cb, 64 Mpts/ch mode. 20 GHz, 50 GS/s, 25 Mpts/ch Digital Bandwidth Inputs, 6 G Gb/s Serial Trigger, and 8b/10b and 64b/66b decode. Also operates in 20 GHz, 40 GS/s, 4cb, 64 Mpts/ch mode. 20 GHz, 50 GS/s, 52 Mpts/ch Digital Bandwidth Inputs, 6 G Gb/s Serial Trigger, and 8b/10b and 64b/66b decode. Also operates in 20 GHz, 40 GS/s, 4cb, 64 Mpts/ch mode. 20 GHz, 50 GS/s, 5			Serial Data and CrossTalk Analysis	
1.3 GHz, 40 GS/s, 4ch, 64 Mpts/Ch Serial Data Analyzer with 15.3' WXGA Color Display, 50 Q and 1 MQ Inputs, 6.5 Gb/s Serial Trigger, 80/10 b and 64b/66b decode. 16 GHz, 80 GS/s, 128 Mpts/Ch Serial Data Analyzer with 15.3' WXGA Color Display, 50 Q and 1 MQ Inputs, 6.5 Gb/s Serial Trigger, 80/10 b and 64b/66b decode. Also operates in 4ch, 40 GS/s, 128 Mpts/Ch Serial Data Analyzer with 15.3' WXGA Color Display, 50 Q and 1 MQ Inputs, 6.5 Gb/s Serial Trigger, 80/10 b and 64b/66b decode. Also operates in 4ch, 40 GS/s, 128 Mpts/Ch Serial Data Analyzer with 15.3' WXGA Color Display, 50 Q and 1 MQ Inputs, 6.5 Gb/s Serial Trigger, 80/10 b and 64b/66b decode. Also operates in 4ch, 40 GS/s, 128 Mpts/Ch mode. 25 GHz80 GS/s, 128 Mpts/Ch Digital Bandwidth 16.10 GB/s Serial Data Analyzer 15.3' WXGA Color Display, 50 Q and 1 MQ Inputs, 6.5 Gb/s Serial Trigger, 80/10 b and 64b/66b decode. Also operates in 20 GHz, 40 GS/s, 4ch, 64 Mpts/Ch mode. 20 GHz, 40 GHz	8 GHz, 40 GS/s, 4ch, 64 Mpts/Ch Serial Data Analyzer	SDA 808Zi-B		i-SDAIII-CompleteLinQ
13 GHz. 40 GS/s, 4ch. 64 Mpts/Ch Serial Data Analyzer with 16.3° WX6A Color Display, 50 Q and 1 MD inputs, 6.5 Gb/s Serial Trigger, 8b/10 band 64b/66b decode. Also operates in 4ch, 40 GS/s, 64 Mpts/Ch mode. 20 GHz. 80 GS/s, 128 Mpts/Ch Serial Data Analyzer with 15.3° WX6A Color Display, 50 Q and 1 MD inputs, 6.5 Gb/s Serial Trigger, 8b/10 band 64b/66b decode. Also operates in 4ch, 40 GS/s, 64 Mpts/Ch mode. 20 GHz. 80 GS/s, 128 Mpts/Ch Serial Data Analyzer with 15.3° WX6A Color Display, 50 Q and 1 MD inputs, 6.5 Gb/s Serial Trigger, 8b/10 band 64b/66b decode. Also operates in 4ch, 40 GS/s, 64 Mpts/Ch mode. 25 GHz. 80 GS/s, 128 Mpts/Ch Digital Bandwidth Interleaved (DBI) Serial Data Analyzer 15.3° WXGA Color Display, 50 Q and 1 MD inputs, 6.5 Gb/s Serial Trigger, and 8b/10 band 64b/66b decode. Also operates in 20 GHz. 40 GS/s, 4ch, 64 Mpts/Ch mode. 20 GHz. 40 GS/s,	with 15.3" WXGA Color Display. 50 Ω and 1 MΩ Inputs, 6.5 Gb/s Serial Trigger 8b/10b and 64b/66b decode			SDA8Zi-CompleteLinQ
with 15.3" WXGA Color Display, 50 Q and 1 MQ Inputs, 6.5 Gb/s Serial Trigge, 8b/10b and 64b/66b decode. 16 GHz, 80 GS/s, 128 Mpts/Ch Serial Data Analyzer with 15.3" WXGA Color Display, 50 Q and 1 MQ Inputs, 6.5 Gb/s Serial Trigge, 8b/10b and 64b/66b decode. 20 GHz, 80 GS/s, 128 Mpts/Ch Serial Data Analyzer with 16.5" WXGA Color Display, 50 Q and 1 MQ Inputs, 6.5 Gb/s Serial Trigge, 8b/10b and 64b/66b decode. 20 GHz, 80 GS/s, 128 Mpts/Ch Serial Data Analyzer with 15.3" WXGA Color Display, 50 Q and 1 MQ Inputs, 6.5 Gb/s Serial Trigge, 8b/10b and 64b/66b decode. Also operates in 4ch, 40 GS/s, 64 Mpts/Ch mode. 25 GHz80 GS/s, 128 Mpts/Ch Digital Bandwidth SSP, 128 Mpts/Ch Digital Bandwidth Interleaved (D8I) Serial Data Analyzer - 15.3" WXGA Color Display, 50 Q and 1 MQ Inputs, 6.5 Gb/s Serial Trigge, and 8b/10b and 64b/66b decode. Also operates in 20 GHz, 40 GS/s, 4ch, 64 Mpts/Ch mode. 20 GHz, 40 GS/s, 4ch, 64 Mpts/Ch mode. Included with Standard Configuration -10, 500 MHz Passive Probe (Dt, 4 on 4 - 20 GHz units) Uzer 26 - 45 GHz units) Included with Standard Configuration -10, 500 MHz Passive Probe (Dt, 4 on 4 - 20 GHz units) Uzer 26 GHz units) Included with Standard Configuration -10, 500 MHz Passive Probe (Dt, 4 on 4 - 20 GHz units) Uzer 26 GHz units) Included with Standard Configuration -10, 500 MHz Passive Probe (Dt, 4 on 4 - 20 GHz units) Uzer 26 GHz units) Included with Standard Configuration -10, 500 MHz Passive Probe (Dt, 4 on 4 - 20 GHz units) Uzer 27 GHz units) Included with Standard Configuration -10, 500 MHz Passive Probe (Dt, 4 on 4 - 20 GHz units) Uzer 27 GHz units) Included with Standard Configuration -10, 500 MHz Passive Probe (Dt, 4 on 4 - 20 GHz units) Uzer 27 GHz units) Included With Standard Configuration -10, 500 MHz Passive Probe (Dt, 4 on 4 - 20 GHz units) Uzer 27 GHz units) Included With Standard Configuration -10, 500 MHz Passive Probe (Dt, 4 on 4 - 20 GHz units) Uzer 27 GHz units) Included With Standard Configuration -10, 500 MHz Passive Probe (Dt, 4 on 4 - 20 GHz units) Uzer 2	13 GHz, 40 GS/s, 4ch, 64 Mpts/Ch Serial Data Analyzer	SDA 813Zi-B		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
16 GHz, 80 GS/s, 128 Mpts/Ch Serial Data Analyzer with 16.3° WXSA Color Display, 50 û and 1 Mû Inputs, 65 Gb/s Serial Trigge, 80° JA0 and 64 Môf Gb decode. Also operates in 4ch, 40 GS/s, 64 Mpts/Ch mode. 25 GHz, 80 GS/s, 128 Mpts/Ch Serial Data Analyzer with 15.3° WXSA Color Display, 50 û and 1 Mû Inputs, 65 Gb/s Serial Trigge, 80° JA0 and 64 Môf Gb decode. Also operates in 4ch, 40 GS/s, 64 Mpts/Ch mode. 25 GHz, 80 GS/s, 128 Mpts/Ch Digital Bandwidth Interleaved (DBI) Serial Data Analyzer - 15.3° WXSA Color Display, 50 û and 1 Mû Inputs, 65 Gb/s Serial Trigger, and 8b/10b and 64b/66b decode. Also operates in 20 GHz, 40 GS/s, 4ch, 64 Mpts/Ch mode. 20 GHz, 4ch GS/s, 4ch, 64 Mpts/Ch GB/s, 4ch, 64 Mpts/Ch GB/s	with 15.3" WXGA Color Display. 50 Ω and 1 M Ω Inputs,			WW8ZI-SDAIII
16.3° WXGA Color Display, 50 Q and 1 MQ Inputs, 6.5 Gb/s Serial Triage, BXD Mpts/Ch mode. 20 GHz, 80 GS/s, 128 Mpts/Ch Serial Data Analyzer with 15.3° WXGA Color Display, 50 Q and 1 MQ Inputs, 6.5 Gb/s Serial Trigger, BV/10b and 64b/66b decode. Also operates in 4ch, 40 GS/s, 64 Mpts/Ch mode. 25 GHz,80 GS/s, 128 Mpts/Ch Digital Bandwidth 15.3° WXGA Color Display, 50 Q and 1 MQ Inputs, 6.5 Gb/s Serial Trigger, and Bb/10b and 64b/66b decode. Also operates in 20, 40 GS/s, 64 Mpts/Ch mode. 25 GHz,80 GS/s, 128 Mpts/Ch Digital Bandwidth 15.3° WXGA Color Display, 50 Q and 1 MQ Inputs, 6.5 Gb/s Serial Trigger, and Bb/10b and 64b/66b decode. Also operates in 20, 61z, 40 GS/s, 4ch, 64 Mpts/Ch mode. 26 GHz, 40 GS/s, 4ch, 64 Mpts/Ch Digital Bandwidth 15.2° WXGA Color Display, 50 Q and 1 MQ Inputs, 6.5 Gb/s Serial Trigger, and Bb/10b and 64b/66b decode. Also operates in 20 GHz, 40 GS/s, 4ch, 64 Mpts/Ch mode. 27 GHz, 40 GS/s, 4ch, 64 Mpts/Ch mode. 28 GHz, 40 GS/s, 4ch, 64 Mpts/Ch mode. 29 GHz, 40 GS/s, 4ch, 64 Mpts/Ch mode. 20 GHz, 40 GS/s, 4ch, 64 Mpts/Ch mode. 20 GHz, 40 GS/s, 4ch, 64 Mpts/Ch mode. 20 GHz, 40 GS/s, 4ch, 64 Mpts/Ch mode. 21 GHz, 40 GS/s, 4ch, 64 Mpts/Ch mode. 22 GHz, 40 GS/s, 4ch, 64 Mpts/Ch mode. 23 GHz, 40 GS/s, 4ch, 64 Mpts/Ch mode. 24 GHz, 40 GS/s, 4ch, 64 Mpts/Ch mode. 25 GHz, 40 GS/s, 4ch, 64 Mpts/Ch mode. 25 GHz, 40 GS/s, 4ch, 64 Mpts/Ch mode. 26 GHz, 40 GS/s, 4ch, 64 Mpts/Ch mode. 27 GHz, 40 GS/s, 4ch, 64 Mpts/Ch mode. 28 GHz, 40 GS/s, 4ch, 64 Mpts/Ch mode. 29 GHz, 40 GS/s, 4ch, 64 Mpts/Ch mode. 20 GHz, 40 GS/s, 4ch, 64 Mpts/Ch mode. 20 GHz, 40 GS/s, 4ch, 64 Mpts/Ch mode. 20 GHz, 40 GS/s, 4ch, 64 Mpts/Ch mode. 21 GHz, 40 GS/s, 4ch, 64 Mpts/Ch mode. 22 GHz, 40 GS/s, 4ch, 64 Mpts/Ch mode. 23 GHz, 40 GS/s, 4ch, 64 Mpts/Ch mode. 24 GHz, 40 GS/s, 4ch, 64 Mpts/Ch mode. 25 GHz, 40 GS/s, 4ch, 64 Mpts/Ch mode. 25 GHz, 40		SDA 8167i-B		WM8ZI-PAM4
Also operates in 4ch, 40 GS/s, 64 Mpts/Ch mode. 20 GHz, 80 GS/s, 128 Mpts/Ch Serial Data Analyzer with 15.3" WXGA Color Display, 50 \(\Omega\$ and 1 M\(\Omega\$ Inputs, 6.5 Gb/s Serial Trigger, 8b/10 ban de4b/66b decode. Also operates in 4ch, 40 GS/s, 64 Mpts/Ch mode. 25 GHz,80 GS/s, 128 Mpts/Ch Digital Bandwidth Interleaved (DB) Serial Data Analyzer - 15.3" WXGA Color Display, 50 0 and 1 M\(\Omega\$ Inputs, 6.5 Gb/s Serial Trigger, and 8b/10 ban de4b/66b decode. Also operates in 20 GHz, 40 GS/s, 128 Mpts/Ch Digital Bandwidth Interleaved (DB) Serial Data Analyzer - 15.3" WXGA Color Display, 50 0 and 1 M\(\Omega\$ Inputs, 6.5 Gb/s Serial Trigger, and 8b/10 ban de4b/66b decode. Also operates in 20 GHz, 40 GS/s, 4ch, 64 Mpts/Ch mode. SDA 830Zi-B Interleaved (DB) Serial Data Analyzer - 15.3" WXGA Color Display, 50 0 and 1 M\(\Omega\$ Inputs, 6.5 Gb/s Serial Trigger, and 8b/10 ban de4b/66b decode. Also operates in 20 GHz, 40 GS/s, 4ch, 64 Mpts/Ch mode. Included with Standard Configuration +10, 500 MHz Passive Probe (Qty, 4 on 4 - 20 GHz units) ProLink to SMA Adapter: 4 each (for 13 - 45 GHz units) ProLink to SMA Adapter: 4 each (for 13 - 45 GHz units) ProLink to KZ-92 mm Adapter - 4 each (for 13 - 45 GHz units) Protective Front Cover Printed Getting Started Guide Anti-virus Software (Trial Version) Microsoft Windows\(\Omega\$ 10 License Commercial NIST Traceable Calibration with Certificate Power Cable for the Destination Country 3-year Warranty Advanced De-embedding, Emulation and Virtual Problint Channel & Fixture WM8Zi-VIRTUALPROBE Virtual Probint Channel & Fixture WM8Zi-VIRTUALPROBE Virtual Probint Channel & Fixture WM8Zi-VIRTUALPROBE Virtual Probint Channel & Fixture De-embedding, Emulation, Tx/Rx Equalization Bundle - Eye Doctor II and VirtualProbe Toolkits WM8Zi-VIRTUALPROBE VMM8Zi-EYEDRII-VP Cable De-embedding, Emulation, Tx/Rx Equalization WM8Zi-VIRTUALPROBE VMM8Zi-EYEDRII-VP VectorLinQ - Flexible vector signal analysis (WM8Zi-VIRTUALPROBE Vector Linq - Flexible vector signal analysis, with Signa	15.3" WXGA Color Display. 50 Ω and 1 M Ω Inputs,	03/10/102/13		
20 GHz, 80 GS/s, 128 Mpts/Ch Serial Data Analyzer with 15.3" WXGA Color Displays, 50 Q and 1 M0 Inputs 6.5 Gb/s Serial Trigger, 8b/10b and 64b/66b decode. Also operates in 4ch, 40 GS/s, 64 Mpts/Ch mode. 25 GHz 80 GS/s, 128 Mpts/Ch Digital Bandwidth Interleaved (DBI) Serial Data Analyzer - 15.3" WXGA Color Display, 50 Q and 1 M0 Inputs, 6.5 Gb/s Serial Trigger, and 8b/10b and 64b/66b decode. Also operates in 20 GHz, 40 GS/s, 4ch, 64 Mpts/Ch mode. 30 GHz, 80 GS/s, 4ch Mpts/Ch mode. 30 GHz, 80 GS/s, 4ch, 4ch Mpts/Ch mode. 30 GHz, 8ch Mpts/Ch Mp	Also operates in 4ch, 40 GS/s, 64 Mpts/Ch mode.			MAOZ: VIDTUAL DDODE
Signal Integrity Toolkit - Channel & Fixture WM8Zi-EYEDRII De-embedding/Emulation, Tx/Rx Equalization WM8Zi-EYEDRII-VP Interleaved (DBI) Serial Data Analyzer - 15.3" WXGA Color Display, 50 Q and 1 MQ Inputs, 6.5 Gb/s Serial Trigger, and 8b/10b and 64b/66b decode. Also operates in 20 GHz, 40 GS/s, 4ch, 64 Mpts/Ch mode. 30 GHz, 80 GS/s, 128 Mpts/Ch Digital Bandwidth Interleaved (DBI) Serial Data Analyzer - 15.3" WXGA Color Display, 50 Q and 1 MQ Inputs, 6.5 Gb/s Serial Trigger, and 8b/10b and 64b/66b decode. Also operates in 20 GHz, 40 GS/s, 4ch, 64 Mpts/Ch mode. Included with Standard Configuration - 10,500 MHz Passive Probe (Qty, 4 on 4 - 20 GHz units, Qty, 2 on 25 - 45 GHz units) ProLink to SMA Adapter. 4 each (for 4 - 8 GHz units) ProLink to SMA Adapter. 4 each (for 13 - 45 GHz units) ProLink to SMA Adapter. 4 each (for 13 - 45 GHz units) Protective Front Cover Printed Getting Started Guide Anti-virus Software (Trial Version) Microsoft Windows® 10 License Commercial NIST Traceable Calibration with Certificate Power Cable for the Destination Country 3-year Warranty Signal Integrity Toolkit - Channel & Fixture De-embedding/Funlation, Tx/Rx Equalization WM8Zi-EYEDRII De-embedding/Funlation, Tx/Rx Equalization WM8Zi-EVECTORLINQ-Cable De-embedding Option WM8Zi-VECTORLINQ-AV CectorLinQ - Flexible vector signal analysis for vectorLinQ - Advanced vector signal analysis wettor vectorLinQ - Advanced vector signal analysis wm8Zi-VECTORLINQ-ADV includes OFDM Optical-LinQ - Coherent optical modulation analysis WM8Zi-DR1 Randard Configuration 12.5 GS/s High-speed Digital Analyzer with 18 Ch HDA125-18-LBUS QuickLink leadset and LBUS connection Ethernet and DDR Debug Toolkit DDR2 and LPDDR2 WM8Zi-DDR3 DDR2, and LPDDR2 WM8Zi-DDR3-TOOLKIT DDR4 TOOLKIT DDR4 TOOLKIT DDR4 TOOLKIT DDR4 TOOLKIT DDR4 TOOLKIT	20 GHz, 80 GS/s, 128 Mpts/Ch Serial Data Analyzer with	SDA 820Zi-B		MI8ZI-VIR I UALPRUBE
Also operates in 4ch, 40 GS/s, 64 Mpts/Ch mode. 25 GHz,80 GS/s, 128 Mpts/Ch Digital Bandwidth Interleaved (DBI) Serial Data Analyzer - 15.3" WXGA Color Display, 50 Q and 1 MQ Inputs, 6.5 Gb/s Serial Trigger, and 8b/10b and 64b/66b decode. Also operates in 20 GHz, 40 GS/s, 4ch, 64 Mpts/Ch mode. 30 GHz,80 GS/s, 128 Mpts/Ch Digital Bandwidth Interleaved (DBI) Serial Data Analyzer - 15.3" WXGA Color Display, 50 Q and 1 MQ Inputs, 6.5 Gb/s Serial Trigger, and 8b/10b and 64b/66b decode. Also operates in 20 GHz, 40 GS/s, 4ch, 64 Mpts/Ch mode. SDA 830Zi-B Interleaved (DBI) Serial Data Analyzer - 15.3" WXGA Color Display, 50 Q and 1 MQ Inputs, 6.5 Gb/s Serial Trigger, and 8b/10b and 64b/66b decode. Also operates in 20 GHz, 40 GS/s, 4ch, 64 Mpts/Ch mode. Included with Standard Configuration +10,500 MHz Passive Probe (Qty. 4 on 4 - 20 GHz units) ProLink to SMA Adapter: 4 each (for 4 - 8 GHz units) ProLink to S/A Adapter: 4 each (for 4 - 8 GHz units) ProLink to K/2.92 mm Adapter: 4 each (for 13 - 45 GHz units) Protective Front Cover Printed Getting Started Guide Anti-virus Software (Trial Version) Microsoft Windows® 10 License Commercial NIST Traceable Calibration with Certificate Power Cable for the Destination Country 3-year Warranty Debug Toolkit DDR3, DDR3L, LPDDR3, DDR2, and LPDDR2 WM8Zi-DDR2 DDR2 WM8Zi-DDR2 DDR2 WM8Zi-DDR2 DDR2 WM8Zi-DDR2 WM8Zi-DDR	15.3" WXGA Color Display. 50 Ω and 1 MΩ Inputs, 6.5 Gb/s Serial Trigger 8b/10b and 64b/66b decode			WM8Zi-EYEDRII
Interleaved (DBI) Serial Data Analyzer - 15.3" WXGA Color Display. 50 Q and 1 MQ Inputs, 6.5 Gb/s Serial Trigger, and 8b/10b and 64b/66b decode. Also operates in 20 GHz, 40 GS/s, 4ch, 64 Mpts/Ch mode. SDA 830Zi-B Interleaved (DBI) Serial Data Analyzer - 15.3" WXGA Color Display. 50 Q and 1 MQ Inputs, 6.5 Gb/s Serial Trigger, and 8b/10b and 64b/66b decode. Also operates in 20 GHz, 40 GS/s, 4ch, 64 Mpts/Ch mode. Included with Standard Configuration ÷10, 500 MHz Passive Probe (Qty. 4 on 4 – 20 GHz units, Qty. 2 on 25 – 45 GHz units) ProLink to SMA Adapter: 4 each (for 4 – 8 GHz units) ProLink to K/2.92 mm Adapter: 4 each (for 13 – 45 GHz units) Protective Front Cover Printed Getting Started Guide Anti-virus Software (Trial Version) Microsoft Windows® 10 License Commercial NIST Traceable Calibration with Certificate Power Cable for the Destination Country 3-year Warranty Cable De-embedding Option WM8Zi-CBL-DE-EMBED Modulated Signal Analyses VectorLinQ – Flexible vector signal analysis for electrical signals (RF and baseband FQ) VectorLinQ – Advanced vector signal analysis (WM8Zi-VECTORLINQ-ADV includes OFDM) VectorLinQ – Advanced vector signal analysis (WM8Zi-VECTORLINQ-ADV includes OFDM) VectorLinQ – Advanced vector signal analysis (WM8Zi-VECTORLINQ-ADV includes OFDM) VectorLinQ – Advanced vector signal analysis (WM8Zi-VECTORLINQ-ADV includes OFDM) VectorLinQ – Advanced vector signal analysis (WM8Zi-VECTORLINQ-ADV includes OFDM) VectorLinQ – Advanced vector signal analysis (WM8Zi-VECTORLINQ-ADV includes OFDM) VectorLinQ – Advanced vector signal analysis (WM8Zi-VECTORLINQ-ADV includes OFDM) VectorLinQ – Advanced vector signal analysis (WM8Zi-VECTORLINQ-ADV includes OFDM) VectorLinQ – Advanced vector signal analysis (WM8Zi-VECTORLINQ-ADV includes OFDM) VectorLinQ – Advanced vector signal analysis (WM8Zi-VECTORLINQ-ADV includes OFDM) VectorLinQ – Advanced vector signal analysis (WM8Zi-VECTORLINQ-ADV includes OFDM) VectorLinQ – Advanced vector signal analysis (WM8Zi-VECTORLINQ-ADV includes OFDM) VectorLinQ – Adva	Also operates in 4ch, 40 GS/s, 64 Mpts/Ch mode.			
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20 GHz, 40 GS/s, 4ch, 64 Mpts/Ch mode. 30 GHz, 80 GS/s, 128 Mpts/Ch Digital Bandwidth Interleaved (DBI) Serial Data Analyzer - 15.3" WXGA Color Display. 50 Ω and 1 MΩ Inputs, 6.5 Gb/s Serial Trigger, and 8b/10b and 64b/66b decode. Also operates in 20 GHz, 40 GS/s, 4ch, 64 Mpts/Ch mode. Included with Standard Configuration +10,500 MHz Passive Probe (Qty. 4 on 4 – 20 GHz units) ProLink to SMA Adapter: 4 each (for 4 – 8 GHz units) ProLink to K/2.92 mm Adapter: 4 each (for 13 – 45 GHz units) Optical 3-button Wheel Mouse, USB 2.0 Protective Front Cover Printed Getting Started Guide Anti-virus Software (Trial Version) Microsoft Windows® 10 License Commercial NIST Traceable Calibration with Certificate Power Cable for the Destination Country 3-year Warranty DAM S30Zi-B SDA 830Zi-B SDA 91 LPDR3 DDR2, and LPDDR2 SDA 91 LPDR3 DDR2, and LPDDR2 SDA 91 LPDR3 DDR2, and LPDDR2 SDA 91 LPDR3 DDR3, DDR2, and LPDDR2 SDA 91 LPDR3 DD	Color Display. 50 Ω and 1 M Ω Inputs, 6.5 Gb/s Serial Trig-		Cable De-embedding Option W	/M8ZI-CRF-DE-EMRED
VectorLinQ — Flexible vector signal analysis for electrical signals (RF and baseband I-Q) VectorLinQ — Advanced vector signal analysis for electrical signals (RF and baseband I-Q) VectorLinQ — Advanced vector signal analysis, of Bolys Serial Trigger, and 8b/10b and 64b/66b decode. Also operates in 20 GHz, 40 GS/s, 4ch, 64 Mpts/Ch mode. Included with Standard Configuration ÷10, 500 MHz Passive Probe (Qty. 4 on 4 – 20 GHz units, Qty. 2 on 25 – 45 GHz units) ProLink to SMA Adapter: 4 each (for 4 – 8 GHz units) ProLink to K/2.92 mm Adapter: 4 each (for 13 – 45 GHz units) Optical 3-button Wheel Mouse, USB 2.0 Protective Front Cover Printed Getting Started Guide Anti-virus Software (Trial Version) Microsoft Windows® 10 License Commercial NIST Traceable Calibration with Certificate Power Cable for the Destination Country 3-year Warranty VectorLinQ — Flexible vector signal analysis or electrical signals (RF and baseband I-Q) VectorLinQ — Advanced vector signal analysis, WM8Zi-VECTORLINQ electrical signals (RF and baseband I-Q) VectorLinQ — Advanced vector signal analysis, WM8Zi-VECTORLINQ electrical signals (RF and baseband I-Q) VectorLinQ — Advanced vector signal analysis, includes OFDM Optical-LinQ — Coherent optical modulation analysis wM8Zi-OPTICAL-LINQ High-speed Digital Analyzer Systems 12.5 GS/s High-speed Digital Analyzer with 18 Ch QuickLink leadset and LBUS connection 12.5 GS/s High-speed Digital Analyzer with 9 Ch QuickLink leadset and LBUS connection 12.5 GS/s High-speed Digital Analyzer with 9 Ch QuickLink leadset and LBUS connection 12.5 GS/s High-speed Digital Analyzer with 18 Ch HDA125-09-LBUS 12.5 GS/s High-speed Digital Analyzer with 18 Ch QuickLink leadset and LBUS connection 12.5 GS/s High-speed Digital Analyzer with 18 Ch Microsoft Windows of the North Standard Reference of the North				
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Included with Standard Configuration ÷10, 500 MHz Passive Probe (Qty. 4 on 4 – 20 GHz units, Qty. 2 on 25 – 45 GHz units) ProLink to SMA Adapter: 4 each (for 4 – 8 GHz units) ProLink to K/2.92 mm Adapter: 4 each (for 13 – 45 GHz units) Optical 3-button Wheel Mouse, USB 2.0 Protective Front Cover Printed Getting Started Guide Anti-virus Software (Trial Version) Microsoft Windows® 10 License Commercial NIST Traceable Calibration with Certificate Power Cable for the Destination Country 3-year Warranty High-speed Digital Analyzer Systems 12.5 GS/s High-speed Digital Analyzer with 18 Ch QuickLink leadset and LBUS connection 12.5 GS/s High-speed Digital Analyzer with 9 Ch QuickLink leadset and LBUS connection ### HDA125-18-LBUS HDA125-19-LBUS HDA125-09-LBUS QuickLink leadset and LBUS connection ### Power Cable for the Destination with Certificate Power Cable for the Destination Country ### Power Cable for the Destination Country ### DDR3, DDR3, DDR2, and LPDDR2 Debug Toolkit ### DDR4, DDR3, DDR2, and LPDDR2 WM8ZI-DDR4-TOOLKIT DDR4, DDR3, DDR3L, LPDDR3, DDR2, and LPDDR2 WM8ZI-DDR4-TOOLKIT DDR4, DDR3, DDR3L, LPDDR3, DDR2, and LPDDR2 WM8ZI-DDR4-TOOLKIT Debug Toolkit	ger, and 8b/10b and 64b/66b decode. Also operates in		includes OFDM	
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Protective Front Cover Printed Getting Started Guide Anti-virus Software (Trial Version) Microsoft Windows® 10 License Commercial NIST Traceable Calibration with Certificate Power Cable for the Destination Country 3-year Warranty LPA-R-A 12.5 GS/s High-speed Digital Analyzer with 9 Ch QuickLink leadset and LBUS connection ##DA125-09-LBUS QuickLink leadset and LBUS connection				HDA120-16-LBUS
Protective Front Cover Printed Getting Started Guide Anti-virus Software (Trial Version) Microsoft Windows® 10 License Commercial NIST Traceable Calibration with Certificate Power Cable for the Destination Country 3-year Warranty Ethernet and DDR Debug Tookits 100Base-T1 and 1000Base-T1 Debug Toolkit WM8ZI-AUTO-ENET-TOOLKIT DDR2 and LPDDR2 Debug Toolkit WM8ZI-DDR2-TOOLKIT DDR3, DDR3L, LPDDR3, DDR2, and LPDDR2 WM8ZI-DDR3-TOOLKIT Debug Toolkit DDR4, DDR3, DDR3L, LPDDR3, DDR2, and LPDDR2 WM8ZI-DDR4-TOOLKIT Debug Toolkit		ts) LPA-K-A	12.5 GS/s High-speed Digital Analyzer with 9 Ch	HDA125-09-LBUS
Printed Getting Started Guide Anti-virus Software (Trial Version) Microsoft Windows® 10 License Commercial NIST Traceable Calibration with Certificate Power Cable for the Destination Country 3-year Warranty Ethernet and DDR Debug Tookits 100Base-T1 Debug Toolkit WM8ZI-AUTO-ENET-TOOLKIT DDR2 and LPDDR2 Debug Toolkit WM8ZI-DDR2-TOOLKIT DDR3, DDR3L, LPDDR3, DDR2, and LPDDR2 WM8ZI-DDR3-TOOLKIT Debug Toolkit DDR4, DDR3, DDR3L, LPDDR3, DDR2, and LPDDR2 WM8ZI-DDR4-TOOLKIT Debug Toolkit			QuickLink leadset and LBUS connection	
Microsoft Windows® 10 License Commercial NIST Traceable Calibration with Certificate Power Cable for the Destination Country 3-year Warranty 100Base-T1 and 1000Base-T1 Debug Toolkit WM8ZI-AUTO-ENET-TOOLKIT DDR2 and LPDDR2 Debug Toolkit WM8ZI-DDR2-TOOLKIT DDR3, DDR3L, LPDDR3, DDR2, and LPDDR2 WM8ZI-DDR3-TOOLKIT Debug Toolkit DDR4, DDR3, DDR3L, LPDDR3, DDR2, and LPDDR2 WM8ZI-DDR4-TOOLKIT Debug Toolkit DDR4, DDR3, DDR3L, LPDDR3, DDR2, and LPDDR2 WM8ZI-DDR4-TOOLKIT Debug Toolkit	Printed Getting Started Guide		Ethomot and DDD Dahun Taabita	
DDR2 and LPDDR2 Debug Toolkit WM8ZI-DDR2-TOOLKIT DDR3, DDR3, LPDDR3, DDR2, and LPDDR2 WM8ZI-DDR3-TOOLKIT Debug Toolkit DDR3, DDR3L, LPDDR3, DDR2, and LPDDR2 WM8ZI-DDR3-TOOLKIT Debug Toolkit DDR4, DDR3, DDR3L, LPDDR3, DDR2, and LPDDR2 WM8ZI-DDR4-TOOLKIT Debug Toolkit DDR4, DDR3, DDR3L, LPDDR3, DDR2, and LPDDR2 WM8ZI-DDR4-TOOLKIT Debug Toolkit DDR4, DDR3, DDR3L, LPDDR3, DDR2, and LPDDR2 WM8ZI-DDR4-TOOLKIT Debug Toolkit DDR4, DDR3, DDR3L, LPDDR3, DDR2, and LPDDR2 WM8ZI-DDR4-TOOLKIT Debug Toolkit DDR4, DDR3, DDR3L, LPDDR3, DDR3L, LPDDR3L, LP				7I-ALITO-ENET-TOOLKIT
Power Cable for the Destination Country 3-year Warranty DDR3, DDR2, and LPDDR2 Debug Toolkit DDR4, DDR3, DDR3L, LPDDR3, DDR2, and LPDDR2 WM8ZI-DDR4-TOOLKIT Debug Toolkit Debug Toolkit				
3-year Warranty DDRA, DDR3L, LPDDR3, DDR2, and LPDDR2 WM8ZI-DDR4-TOOLKIT <u>Debug Toolkit</u> WM8ZI-DDR4-TOOLKIT				WM8ZI-DDR3-TOOLKIT
	3-year Warranty		DDR4, DDR3, DDR3L, LPDDR3, DDR2, and LPDDR2	WM8ZI-DDR4-TOOLKIT
DDR5. DDR4, DDR3, DDR2 and LPDDR5, LPDDR4, WM8ZI-DDR5-TOOLKIT LPDDR3, LPDDR2 Debug Toolkit			DDR5. DDR4, DDR3, DDR2 and LPDDR5, LPDDR4,	WM8ZI-DDR5-TOOLKIT
DDR3, DDR3L, LPDDR3, DDR2, and LPDDR2 WM8ZI-UPG-DDR3-TOOLKIT Debug Toolkit Upgrade			DDR3, DDR3L, LPDDR3, DDR2, and LPDDR2 WM	8ZI-UPG-DDR3-TOOLKIT
DDR4, DDR3, DDR3, DDR2, and LPDDR2 WM8ZI-UPG-DDR4-TOOLKIT Debug Toolkit Upgrade			DDR4, DDR3, DDR3L, LPDDR3, DDR2, and LPDDR2 WM	8ZI-UPG-DDR4-TOOLKIT

ORDERING INFORMATION

Product Description	Product Code	Product Description	Product Code
Serial Data Compliance Test Software		Serial Data Triggers and Decoders (d	cont'd)
QualiPHY Enabled 1000Base-T1 (Automotive Ethernet)	QPHY-1000BASE-T1	64b/66b Decode Option	WM8Zi-64b66b D
Software Option		80-bit NRZ, 8b/10b and 64b/66b	WM8Zi-14GBIT-80B-SYMBOL-TD
QualiPHY Enabled 100Base-T1 (Automotive Ethernet) Software Option	QPHY-100BASE-T1	14.1 Gbps Serial Trigger Option, includes 8b/10b and 64b/66b Decode Options	SDA8ZI-UPG-14GBIT-80B-SYMBOL-TD
QualiPHY Enabled 10Base-T1S (Automotive Ethernet) Software Option	QPHY-10BASE-T1S	80-bit NRZ, 8b/10b, and 64b/66b 6.5 Gbps Serial Trigger Option, includes	WM8Zi-6GBIT-80B-SYMBOL-TD
QualiPHY Enabled 10GBase-KR Software Option	QPHY-10GBASE-KR	8b/10b and 64b/66b Decode Options	
QualiPHY Enabled 10GBase-T Software Option	QPHY-10GBASE-T	(Standard on SDA 8 Zi-B) 8b10b Decode Option	W/M97; 9B10B D
QualiPHY Enabled 56G PAM4	QPHY-56G-PAM4		WM8Zi-8B10B D M8Zi-ARINC429BUS DME SYMBOLIC
Software Option QualiPHY Enabled DDR2 Software Option	QPHY-DDR2	Measure/Graph, Eye Diagram Option	INIOZI AI III 10423DOS DIVIE STIVIDOLIO
QualiPHY Enabled DDR3 Software Option	QPHY-DDR3	ARINC 429 Bus Symbolic Decode Option	WM8Zi-ARINC429bus DSymbolic
QualiPHY Enabled DDR4 Software Option	QPHY-DDR4	Trigger and Decode Option for	WM8Zi-AUDIOBUS TD
QualiPHY Enabled DisplayPort 1.4 Source Software Option	QPHY-DP14-SOURCE	I2S, LJ, RJ, and TDM Trigger, Decode and Graph Option for	WM8Zi-AUDIOBUS TDG
QualiPHY Enabled DisplayPort 2.0 Sink Software Option	QPHY-DP20-SINK	I2S, LJ, RJ, and TDM	
QualiPHY Enabled DisplayPort 2.0 Source	QPHY-DP20-SOURCE	CAN FD Trigger and Decode Option	WM8Zi-CAN FDbus TD
Software Option (Includes QPHY-DP14-SOURCE)		CAN FD Trigger, Decode, Measure/Graph	WM8ZI-CAN FDBUS TDME
QualiPHY Enabled Embedded DisplayPort Software Opti	on QPHY-eDP	and Eye Diagram Option CAN FD Symbolic Trigger, Decode, V	VM8ZI-CAN FDBUS TDME SYMBOLIC
QualiPHY Enabled Ethernet 10/100/1000BT Software 0		Measure/Graph, Eve Diagram Option	VIVIOZI-CAN FUBUS I DIVIE STIVIBULIC
QualiPHY Enabled HDMI 2.0/1.4b TMDS Software Optio		CAN Trigger and Decode Option	WM8Zi-CANbus TD
QualiPHY Enabled HDMI 2.1 FRL and TMDS Software Op		CAN Trigger, Decode, Measure/Graph	WM87I-CANBUS TDMF
QualiPHY Enabled LPDDR2 Software Option	QPHY-LPDDR2	and Eye Diagram Option	7711021 07 11 12 00 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1
QualiPHY Enabled MIPI C-PHY Software Option	QPHY-MIPI-CPHY	CAN Symbolic Trigger, Decode,	WM8ZI-CANBUS TDME SYMBOLIC
QualiPHY Enabled MIPI D-PHY Software Option	QPHY-MIPI-DPHY	Measure/Graph and Eye Diagram Option	
QualiPHY Enabled MIPI M-PHY Software Option	QPHY-MIPI-MPHY	C-PHY (DSI-2/CSI-2) Decode Option	WM8Zi-CPHYBUS D
QualiPHY Enabled MOST50 ePHY Software Option	QPHY-MOST50	C-PHY (DSI-2/CSI-2) Decode, Measure/	WM8Zi-CPHYBUS DMP
QualiPHY Enabled MOST150 oPHY Software Option	QPHY-MOST150	Graph and Physical Layer Test Option	
QualiPHY Enabled PCIe 1.0/2.0 Software Option	QPHY-PCIE	DigRF 3G Decode Option	WM8Zi-DigRF3Gbus D
QualiPHY Enabled PCle 3.0 Tx/Rx Software Option	QPHY-PCIE3-TX-RX	DigRF v4 Decode Option	WM8Zi-DigRFV4bus D
QualiPHY Enabled SATA Software Option	QPHY-SATA-TSG-RSG	DisplayPort AUX Decode Option	WM8ZI-DPAUX D
QualiPHY Enabled SAS-2 Software Option	QPHY-SAS2	DisplayPort AUX Decode, Measure/Graph, and Physical Layer Test Option	WM8ZI-DPAUX DMP
QualiPHY Enabled SAS-3 Software Option	QPHY-SAS3	MIPI D-PHY Decode Option	WM8Zi-DPHYbus D
QualiPHY Enabled SFI Software Option	QPHY-SFI	MIPI D-PHY Decode and Physical Layer Test	
QualiPHY Enabled USB 2.0 Software Option	QPHY-USB‡	I ² C, SPI, UART-RS232 Trigger and Decode Bu	
QualiPHY Enabled USB 3.2 Tx-Rx Software Option QualiPHY USB4 Transmitter and Receiver Software Option	QPHY-USB3.2-TX-RX QPHY-USB4-TX-RX	I ² C, SPI, UART-RS232 Trigger, Decode, Measure/Graph and Eye Diagram Bundle	WM8ZI-EMB TDME
*TF-ENET-B required. [†] TF-HDMI-3.3V-QUADPAK required	. ‡ TF-USB-B required.	Ethernet 10G Decode Option	WM8Zi-ENET10Gbus D
PCI Express, SuperSpeed USB (USB 3.0) and SATA Complete		ENET Decode Option	WM8Zi-ENETbus D
Solutions are available. Consult Factory.		Fibre Channel Decode Option	WM8Zi-FCbus D
		FlexRay Trigger and Decode Option	WM8Zi-FlexRayBus TD
Serial Data Test Fixtures		FlexRay Trigger, Decode, Measure/Graph	WM8ZI-FLEXRAYBUS TDMP
Test Fixture for 10GBase-T	TF-10GBASE-T	and Physical Layer Option 1ºC Bus Trigger and Decode Option	WM8ZI-I2Cbus TD
Automotive Ethernet Breakout Test Fixture for 100Base-T1 and 1000Base-T1 Debug	TF-AUTO-ENET	I ² C Trigger, Decode, Measure/Graph, and	WM8Zi-I2CBUS TDME
4 Pack of SMA Connector Boards for TF-AUTO-ENET	TF-AUTO-ENET-SMA	Eye Diagram Option	WWW.ZI IZODOG I DIVIE
10/100/1000Base-T Ethernet Test Fixture	TF-ENET-B*	I3C Decode Option	WM8ZI-I3CBUS D
HDMI Pull-Up Terminator Quad Pack - for use with the	TF-ET	I3C Decode, Measure/Graph and Eye Diagram	
Wilder-Tech HDMI-TPA-P Plug Test Adapter	11 21	LIN Trigger and Decode Option	WM8Zi-LINbus TD
	TF-HDMI-3.3V-QUADPAK	LIN Trigger, Decode, Measure/Graph	WM8ZI-LINBUS TDME
SATA 1.5 Gb/s, 3.0 Gb/s and 6.0 Gb/s	TF-SATA-C-KIT	and Eye Diagram Option	
Compliance Test Fixture Measure Kit		Manchester Decode Option	WM8Zi-Manchesterbus D
USB 2.0 Compliance Test Fixture	TF-USB-B	MDIO Decode	WM8Zi-MDIObus D
USB 3.0 and 3.1 Compliance Test Fixture	TF-USB3	MIPI M-PHY Decode Option	WM8Zi-MPHYbus D
2 x BNC to SMA Adapter	ENET-2ADA-BNCSMA	MIPI M-PHY Decode and Physical Layer Test	
2 x 18 inch SMA to SMA Cable	ENET-2CAB-SMA018	MS-500-36 with I2C, SPI, UART-RS-232 Trigg Decode, Measure/Graph and Eye Diagram Bi	
2 x 36 inch SMA to SMA Cable	ENET-2CAB-SMA036	PCI Express Decode Option	WM8Zi-PCIEbus D
	RISE-TIME-FILTER-100PS	Decoder-Protocol Analyzer Synchronization	WM8Zi-ProtoSvnc
	RISE-TIME-FILTER-150PS	Software Option	vviviozi i rotodyne
20 dB SMA Attenuators 2 *Includes ENET-2CAB-SMA018 and ENET-2ADA-BNCSMA	20DB-SMA-ATTENUATOR	Decoder-Protocol Analyzer Synchronization with Bit Tracer Software Option	WM8Zi-ProtoSync-BT
Serial Data Triggers and Decoders		SAS Decode Annotation Option	WM8Zi-SASbus D
	M8Zi-100Base-T1bus TD	SATA Decode Annotation Option	WM8Zi-SATAbus D
	Zi-100Base-T1bus TDME	SENT Decode Option	WM8Zi-SENTbus D
and Eye Diagram Option	LI TUUDASE-TIDUS TDIVIE	SpaceWire Decode Option	WM8Zi-SpaceWirebus D
MIL-STD-1553 Trigger and Decode Option	WM8Zi-1553 TD	SPI Trigger and Decode Option†	WM8Zi-SPIbus TD
MIL-STD-1553 Trigger, Decode, Measure/Graph, and	WM8ZI-1553 TDME	SPI Trigger, Decode, Measure/Graph, and	WM8ZI-SPIBUS TDME
Eye Diagram Option		Eye Diagram Option	VAVA 407: ODA 41L. D
		SPMI Decode Option	WM8Zi-SPMIbus D
		UART and RS-232 Trigger and Decode Option	n WM8Zi-UART-RS232bus TD

ORDERING INFORMATION

Product Description	Product Code	Product Description P	roduct Code
Serial Data Triggers and Decoders (cont'd)		Probes and Probe Accessories (cont'd)	
	8ZI-UART-RS232BUS TDME		3106A-NOACC
MIPI UniPro Protocol Decoder	WM8ZI-UNIPRObus D		HVD3106A-6M
USB-PD Trigger and Decode Option	WM8ZI-USBPD TD	2 kV, 120 MHz High Voltage Differential Probe	HVD3206A
USB-PD Trigger, Decode, Measure/Graph and	WM8ZI-USBPD TDMP		HVD3206A-6M
Physical Layer Test Option		2 kV, 400 MHz High Voltage Differential Probe	HVD3220
USB2-HSIC Decode Option	WM8Zi-USB2-HSICbus D	6 kV, 100 MHz High Voltage Differential Probe	HVD3605A
USB 2.0 Decode Option	WM8Zi-USB2bus D	700 V, 25 MHz High-Voltage Differential Probe	AP031
USB 2.0 Decode, Measure/Graph and	WM8ZI-USB2BUS DME	500 MHz Differential Probe	AP033
Eye Diagram Option		500 MHz, 1.0 pF Active Differential Probe, ±8 V	ZD500
USB 3.2 Decode Option	WM8ZI-USB32BUS D	1 GHz, 1.0 pF Active Differential Probe, ±8 V	ZD1000
Mixed Signal Testing Options		1.5 GHz, 1.0 pF Active Differential Probe, ±8 V	ZD1500
250 MHz, 1 GS/s, 36 Ch, 25 Mpts/Ch	MS-500-36	4 GHz ProBus2 Differential Probe w/ Dx10-SI, Dx10-QC, Dx10-SP	D410-A-PB2
(500 MHz, 18 Ch, 2 GS/s, 50 Mpts/Ch Interleaved)	100 000 00	4 GHz ProBus2 Differential Probe w/ Dx20-SI, Dx20-QC, Dx20-SP	D420-A-PB2
Mixed Signal Oscilloscope Option		6 GHz ProBus2 Differential Probe w/ Dx10-SI, Dx10-QC, Dx10-SP	D610-A-PL
		6 GHz ProBus2 Differential Probe w/ Dx20-SI, Dx20-QC, Dx20-SP	D620-A-PL
General Purpose and Application Specific S			D400A-AT-PB2
Spectrum Analyzer for WaveMaster 8 Zi (1 trace)	WM8ZI-SPECTRUM-1	6 GHz ProLink Differential Probe with Adjustable Tip	D600A-AT-PL
	WM8ZI-SPECTRUM-PRO-2	8 GHz differential probe with ProLink interface	DH08-PL
(2 traces + reference trace)	MALII OTLIBIO DDO	13 GHz differential probe with ProLink interface	DH13-PL
MAUI Studio Pro Software	MAUI STUDIO PRO	16 GHz differential probe with ProLink interface	DH16-PL
Coherent Optical Analysis Software	WM8ZI-OPTICAL-LINQ	20 GHz differential probe with ProLink interface	DH20-PL
Digital Filter Software Package	WM8Zi-DFP2	25 GHz differential probe with 2.92mm interface	DH25-2.92MM
Serial Data Mask Software Package	WM8Zi-SDM	30 GHz differential probe with 2.92mm interface	DH30-2.92MM
Disk Drive Measurements Software Package	WM8Zi-DDM2	Optical-to-Electrical Converter, DC to 9.5 GHz, 785 to 1550 nm	OE695G
Disk Drive Analyzer Software Package	WM8Zi-DDA	Optical-to-Electrical Converter, DC to 36 GHz, 830 to 1600 nm	OE6250G-M
Advanced Optical Recording Measurement Package	WM8ZI-AORM	Programmable Current Sensor to ProBus Adapter	CA10
Electrical Telecom Mask Test Software Package	WM8Zi-ET-PMT	(for use with third party current sensors)	
EMC Pulse Parameter Software Package	WM8Zi-EMC	30 A, 50 MHz Current Probe - AC/DC, 30 A rms, 50 A Peak Pulse,	CP030
Power Analysis Option	WM8Zi-PWR	1.5 meter cable	
Clock Jitter Analysis with Four Views Software Packag	ge WM8Zi-JITKIT	30 A, 10 MHz Current Probe - AC/DC, 30 A rms, 50 A Peak Pulse, 3 meter cable	CP030-3M
General Accessories	MA 407: 00FT0 4 0F	30 A, 50 MHz High Sensitivity Current Probe - AC/DC, 30 A rms,	CP030A
Soft Carrying Case Rackmount Accessory for WM8Zi	WM8Zi-SOFTCASE	50 A Peak Pulse, 1.5 meter cable	
	WM8Zi-RACKMOUNT	30A, 100 MHz Current Probe - AC/DC, 30 A rms, 50 A Peak Pulse,	CP031
ProLink to SMA Adapter ProLink to 2.92mm Adapter with Probe Power and	LPA-SMA-A LPA-2.92	1.5 meter cable 30 A, 100 MHz High Sensitivity Current Probe - AC/DC, 30 A rms,	CP031A
Communication Pass Through ProLink to K/2.92 mm Adapter	LPA-K-A	50 A Peak Pulse, 1.5 meter cable 150 A, 10 MHz Current Probe - AC/DC, 150 A rms, 500 A Peak Pulse	. CP150
Kit of ProLink to K/2.92 mm Adapters	LPA-K-KIT-A	2 meter cable	, CF150
Oscilloscope Cart with Additional Shelf and Drawer	OC1024-A	150 A, 5 MHz Current Probe - AC/DC, 150 A rms, 500 A Peak Pulse, 6 meter cable	CP150-6M
Probes and Probe Accessories		500 A, 2 MHz Current Probe - AC/DC, 500 A rms, 700 A Peak Pulse,	CP500
High Voltage Fiber Optic Probe, 150 MHz Bandwidth	HVF0108	6 meter cable	
Power/Voltage Rail Probe. 4 GHz Bandwidth,	RP4030	7.5 GHz Low Capacitance Passive Probe (÷10, 1 kΩ; ÷20, 500 Ω)	PP066
1.2x Attenuation, ±30 V Offset, ±800 mV		500 MHz Passive Probe, 2.5mm	PP021-1
500 MHz 60 V Common Mode Differential Probe	DL05-HCM	500 MHz Passive Probe, 5mm	PP025-1
1 GHz 60 V Common Mode Differential Probe	DL10-HCM	TekProbe to ProBus Probe Adapter	TPA10
1.0 GHz, 0.9 pF, 1 MΩ High Impedance Active Probe	ZS1000	* For a complete probe, order a WL-PLink-CASE Platform/Cable Assemb	alv
1.5 GHz, 0.9 pF, 1 MΩ High Impedance Active Probe	ZS1500	with the Adjustable Tip Module.	<i>''y</i>
2.5 GHz, 0.9 pF, 1 MΩ High Impedance Active Probe	ZS2500	† For a complete probe, order a WL-PBUS-CASE Platform/Cable Assem	oly
4.0 GHz, 0.6 pF, 1 MΩ High Impedance Active Probe	ZS4000	with the Adjustable Tip Module	
200 MHz, 3.5 pF, 1 MΩ Active Differential Probe	ZD200	A conjective of a the property of college on the conjective college of the property of the college of the property of the college of the coll	
400 MHz, 1kV Vrms High-Voltage Passive Probe	HVP120	A variety of other active voltage and current probes are also available. Consult Teledyne LeCroy for more information.	
400 MHz, 4kV High-Voltage Passive Probe	PPE4KV	Consult releasing Lectory for thore information.	
400 MIL 517/11: 1 7/ h	DDEELA		



PPE5KV

PPE6KV

HVD3102A

HVD3106A

HVD3102A-NOACC

Teledyne LeCroy oscilloscopes and probes are designed, built and tested to ensure high reliability. In the unlikely event you experience difficulties, our digital oscilloscopes are fully warranted for three years and our probes are warranted for one year. This warranty includes:

- No charge for return shipping
- Long-term 7-year support
- Upgrade to latest software at no charge



400 MHz, 5kV High-Voltage Passive Probe

400 MHz, 6kV High-Voltage Passive Probe

1 kV, 25 MHz High Voltage Differential Probe

25 MHz High Voltage Differential Probe

120 MHz High Voltage Differential Probe

(without tip accessories)

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