SAM4S
Sapphire 2.60Ghz
J6412 CPU / 4GB RAM / 64GB SSD

- Industrial Quality LED Display 15"
  True Waterproof Flat Front Panel.
- 15" TFT LED, LVDS 1024 x 768 (XGA LCD)
  PCT Projected Capacitive Touch Technology
  Supports Multi-Touch.
- Intel Celeron J6412 Quad Core Fanless
  DDRIII 1 Slot 4GB Memory up to 8GB.
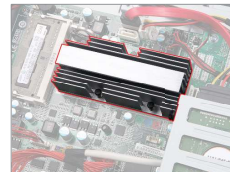- SATA-II 2.5" 64GB SSD.
- 1 x 10/100/1000 Mbps LAN.

intel CELERON inside | **Windows Embedded Powered by** | **LED TOUCH PANEL** | **Windows Embedded POSReady7** | **Windows 10 IoT**
QUAD CORE FANLESS CPU

SAM4S SAPPHIRE SPECIFICATION		
MODEL		**SAPPHIRE 2.60Ghz**
System	CPU	Intel Elkhart Lake Celeron J6412 (Quad Core up to 2.60Ghz.)
	RAM	DDR IV 1 Slot (4GB up to 32GB)
Display	LCD	15" LED Backlight LCD (1024 x 768)
	Touch	10 Points Support PCAP Touch
Interface	Serial	3 Ports (RI/5V/12V Bios Selectable) (Additional 1 Port available as option)
	USB	6 Ports
	Ethernet	IEEE 802.3 10/100/1000
	External Display	DP 1 Port
	Drawer	1 Port/2CH (12V/24V Selectable)
	Audio	1 Port (Line Out), Internal Speaker (2W)
Optional	MSR	1/2/3 Track Support (Optional)
	Rear Display	VFD (20CH x 2 Line, 256 x 32 Graphic) LCD (9.7", 15" Touch Option)
	Wall Mount	VESA Wall Mount
	Stand	V Stand
Software	OS	Windows 10 /11 IoT Enterprise
Power Supply		AC 100-240V, 50-60Hz / DC 12V,5A (60W)
Dimension		352(W) x 225(H) x 363(D)mm
Weight		5.3Kg
Colour		Black
Certifications		UKCA/CE/FCC/CB/KC/RoHS/IP55 Rated

- Easy Access to SSD.

- Vibrant 15" PCT Display.

- Noise-Free Fanless CPU.

SAM4S

Hospitality | Retail | Healthcare | Beauty | Catering

intel CELERON inside | **Windows Embedded Powered by** | **LED TOUCH PANEL** | **Windows 10 IoT**
QUAD CORE FANLESS CPU

Complete your POS eco-system with the SAM4S Sapphire Terminal.

Key Features - At A Glance

IP55	PCT	64GB	POS	Fanless	VESA
IP55 Rated	PCT Display	64GB SSD	POS Windows 10/11 IoT	Fanless CPU	VESA Mountable
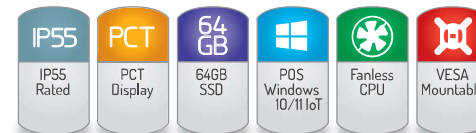
SAM4S

Sapphire 2.60Ghz

J6412 CPU / 4GB RAM / 64GB SSD

Incorporating the latest "fanless" Celeron processor from Intel. The SAM4S Sapphire is one of the fastest & quietest PC POS terminals in its class. Providing efficient and reliable Point of Sale technology.

- Easy Access to SSD.
- Vibrant 15" PCT Display.

The Sam4s Sapphire offers vibrant & precise 15" projected capacitive multi-touch display and is extremely durable in most environments including withstanding water contact, dust & grease (IP55 Rated).

The Sam4s projected (PCT) will activate with either a bare finger or a capacitive stylus preventing users from using pens, credit cards or sharp objects which potentially would reduce the life expectancy of resistive touch panels. In addition the screen has a more vivid & crisp colour enhancing the quality of the POS user interface.

Incorporating the latest Intel Celeron Elkhart Lake fanless processors' combines speed and efficiency along with quiet operation the Sam4s Sapphire is one of the fastest & quietest PC POS terminals in its class.

Coupled with its on board 64GB SSD, ensures that the solid state drive remains dust free & ingress free, ideal for harsh retail & hospitality environments.

With its spill proof multi-touch bezelless display, ergonomic design and innovative base, the Sam4s Sapphire is one of the most stylish and aesthetically pleasing point of sale terminals in its class. With either traditional stand or VESA options for wall & pole mount provides greater flexibility of installation.

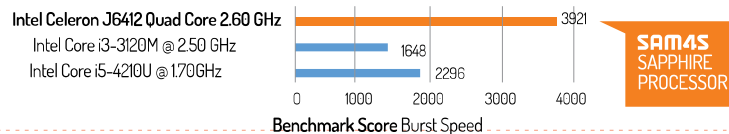The Sam4s Sapphire Touch Screen is supplied with an external power adaptor

for ease of replacement. A reliable & accessible system the Sam4s Sapphire PC POS terminal has many added benefits making it excellent value for money & a great investment as your POS equipment.

Key Features:
- Industrial Quality LED Display 15" True Waterproof Flat Front Panel.
- 15" TFT LED, LVDS 1024 x 768 (XGA LCD) PCT Projected Capacitive Touch Technology Supports Multi-Touch.
- Intel Celeron J6412 Quad Core Fanless DDR IV 1 Slot 4GB Memory up to 32GB.
- SATA-II 2.5" 64GB SSD.
- 1 x 10/100/1000 Mbps LAN.
- Easy Access Design Provides Easy Installation & Maintenance.
- External Power Adaptor.

Use LCD Rear Customer Displays for Food & Drink Promotions like 'Happy Hour', 'Kids Eat Free' etc.

Intel CELERON inside

Windows Embedded Powered by QUAD CORE FANLESS CPU

LED TOUCH PANEL

Windows 10 IoT

CPU Benchmark Comparison

	Benchmark Score
Intel Celeron J6412 Quad Core 2.60 GHz	3921
Intel Core i3-3120M @ 2.50 GHz	1648
Intel Core i5-4210U @ 1.70GHz	2296

Benchmark Score Burst Speed

SAM4S SAPPHIRE PROCESSOR

Retail Environment
Add external Pole Display, Label or Thermal Receipt Printer, Barcode Scanner & Drawer.
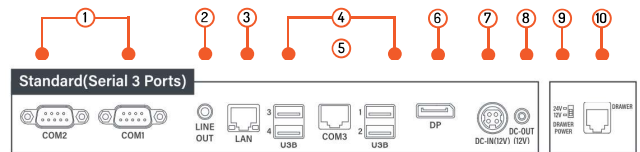
Hospitality Environment
Add external Kitchen Printer, Remote Ordering Tablet & Drawer.

- Small Footprint.
- Vesa Wall or Pole Mountable.
- Windows 10 IOT Enterprise.

Options Including:
- Sam4s 2-Line VFD Customer Display.
- Sam4s 9.7" Rear LCD Customer Display.
- Slimline MSR Reader.
- External Magnetic Dallas.
- Windows IOT 10/11 Enterprise .

"The Sapphire Combining Style, Performance & Reliability"

Standard(Serial 3 Ports)

COM2 | COM1 | LINE OUT | LAN | U3B | COM3 | U3B | DP | DC-OUT DC-IN(12V) (12V) | DRAWER POWER | DRAWER

SAM4S SAPPHIRE CONNECTIVITY

1. D-SUB 9 Pin COM (Serial) Port. Connect external RS232 devices such as printers & scanners.
2. Audio port (Microphone/Line-Out/Line-In). Connect audio equipment such as speakers.
3. RJ-45 LAN (Ethernet) port. 100/1000Mbps Ethernet Connection.
4. USB 2.0 Port. Connect external USB devices such as USB Barcode Scanners. USB Printers.
5. RJ-45 8 Pin COM (Serial) Port. Connect external RS232 devices such as printers & scanners.
6. DP Video Port. Connect an external monitor.
7. DIN 4 Pin 12V DC Input (Input power connection) Jack is connected to the external power adaptor.
8. 2.5 12V DC Output. Power output for external devices such as a Rear Display.
9. Drawer Voltage Switch. Set as either 12v/24v for cash drawer type.

10. RJ-11 6 Pin Cash Drawer port. Connection for cash drawer.

NOT ILLUSTRATED
HDD/SSD Slot (Rear Cover) Connect Internal 2.5" HDD/SSD. USB Ports (Rear Cover) Connect external USB devices such as USB Barcode Scanners. USB Printers. MSR Reader (Right Side) Fit optional Magnetic Card Reader.

SAM4S

The Sam4s Sapphire comes with optional 2-Line VFD, 9.7" & 15" LCD Rear Customer Displays. A VESA wall mount adaptor for counter top or wall mount installations is also available.

| 2Line LCD | 9.7 inch | 15 inch | MSR | MSR + SCR |