DT Research

DT340T Rugged Tablet

Slim, Rugged, Multi-functional Wireless Computing

The DT Research DT340T Rugged Tablet features the integration of a brilliant 14" capacitive touch screen and high performance, energy-efficient Intel® 8th Generation Core™ i quad-core processor within a slim, lightweight, durable package. With built-in smart card/CAC reader, Wi-Fi and Bluetooth as well as optional front camera, GNSS and mobile broadband, this tablet offers seamless information capture for instant transmission in the field and in the office. With its large, vivid display and optional graphic card, the DT340T Rugged Tablet supports a wider working area and detailed application interface along with higher image and video processing. The MIL-STD and IP ratings also make this tablet stand up to real world use for mission critical applications.

Features

- 14" Full-HD, high-brightness (1,000 nits) LCD display with capacitive touch. Outdoor viewable
- Intel® 8th Generation Core™ i5/i7 quad-core processor
- NVIDIA GeForce® GTX 1050 graphic card option; ideal for defense, medical imaging, aerospace applications
- Built-in full-slot smart card/CAC reader
- Dual high-capacity, hot-swappable battery packs; up to 180W
- IP65-rated for water and dust resistance
- MIL-STD-810G for shock and vibration protection
- MIL-STD-461F for EMI and EMC Tolerance
- Foldable tabletop stand
- Optional front camera, GNSS and 4G LTE
- Optional dual pass through antennas for the docking cradle

Applications

- **Government/ Military**
- **Manufacturing Automation**
- **Law Enforcement**
- **Field Service/Utilities**
- **Transportation**
- **Construction**
- **Healthcare**
- **Education**
- **Aerospace Training**

Specifications

System

CPU	Intel® Core™ i5-8250U, Quad-Core, 1.6GHz (up to 3.4GHz) Intel® Core™ i7-8650U, Quad-Core, 1.9GHz (up to 4.2GHz) vPro support option
RAM	8GB, 16GB or 32GB
Storage	128GB to 1TB Flash
Operating System	Microsoft® Windows® 10 IoT Enterprise, 64bit
Display	14" LED-backlight, high-brightness (1,000 nits) screen with capacitive multi-touch. Outdoor viewable
Display Resolution	1920 x 1080
Control Switch and Buttons	1 power button, 2 programmable buttons
Indicator	1 power/ battery status LED
Microphone	Built-in microphone with DSP for real-time video
Speaker	Built-in speaker

Network Interface

WLAN	Wi-Fi 802.11ac, 2.4GHz/ 5GHz dual band
Bluetooth	Bluetooth 4.0 LE

I/O Ports

HDMI	1
USB Port	USB 3.0 x 1 and USB 2.0 x 2
Headset Jack	1
DC-in	1
SD Slot	1 micro SD card slot
Ethernet	RJ45 connector for Ethernet x 1
Smart Card/CAC Reader	Full-slot, Reads ISO 7816 T=0, T=1; 1.8/3/5V smart card

Mechanical and Environmental

AC/DC Adapter	**Input:** 100 – 240V AC; **Output:** 19V DC, 6.31A
Battery Packs	Hot swappable battery, 11.4V, 5400mAh x 2 Hot swappable battery, 11.4V, 8000mAh x 2 (optional)
Enclosure	ABS + PC plastics and magnesium-aluminum alloy
Dimensions (H x W x D)	13.8 x 9.6 x 1.16 in/ 351mm x 244mm x 29.5mm
Weight	4.3 lbs/ 1.95kg
Vibration and Shock Resistance	MIL-STD-810G
EMI and EMC Tolerance	MIL-STD-461F
Water and Dust Resistance	IP65
Regulatory	FCC Class B, CE, RoHS compliant
Temperature	**Operation***: -20°C to 60°C (-4°F to 140°F); tested under MIL-STD-810G method 501.6, Procedure II, and method 502.6, Procedure II * For battery safety and optimal functionality and performance, the recommended usage temperature range is from -10°C to 45°C (14°F to 113°F) **Storage:** -55°C to 70°C (-67°F to 158°F)
Humidity	0% – 90% non-condensing

Major Options

Graphic Card	Integrated graphic card, NVIDIA GeForce® GTX 1050 with 4GB VRAM
Camera	2 megapixel front camera for Full-HD resolution video conference
GNSS Module	U-blox M8 GNSS module with concurrent reception of GPS and GLONASS; industry leading -167dBm navigation sensitivity
Mobile Broadband	4G LTE/AWS
Antenna	Dual pass through antennas integrated in the docking cradle

* Specifications subject to change without notice.

Accessories

The DT340T tablet has customized accessories to meet numerous deployment needs.

Digital Pen

Pen Tip	Diameter: 0.059 in/ 1.5mm, replaceable
Buttons	2 side buttons (right-click and eraser)
Battery	1 AAAA, replaceable
Color	Black
Dimensions	Length: 5.5 in/ 140 mm (including pen tip) Diameter: 0.38 in/ 9.7 mm
Weight	0.055 lbs/ 25 g

Docking Keyboard

With ports for Power, HDMI and USB; designed to connect to the DT Research Tablet, instantly pairs, ideal for 2-in-1 applications.

Vehicle Mount Cradle

Supports DT340T and the Detachable Keyboard. The Cradle offers a lockable mechanism as well as USB, LAN, COM ports, a DC-in jack, and dual antenna connectors.

Battery Charging Kits

High Capacity Battery Pack

051418 DT340T ENG

Product Configurator

www.dtresearch.com/productconfig