

# 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® 8<sup>th</sup> 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® 8<sup>th</sup> 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
- Easy-to-open I/O port caps (patented)
- 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

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

### Network Interface

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

### I/O Ports

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

### Mechanical and Environmental

<b>AC/DC Adapter</b>	<b>Input:</b> 100 – 240V AC; <b>Output:</b> 19V DC, 6.31A
<b>Battery Packs</b>	Hot swappable battery, 11.4V, 5400mAh x 2 Hot swappable battery, 11.4V, 8000mAh x 2 (optional)
<b>Enclosure</b>	ABS + PC plastics and magnesium-aluminum alloy
<b>Dimensions (H x W x D)</b>	13.8 x 9.6 x 1.16 in/ 351mm x 244mm x 29.5mm
<b>Weight</b>	4.3 lbs/ 1.95kg
<b>Vibration and Shock Resistance</b>	MIL-STD-810G
<b>EMI and EMC Tolerance</b>	MIL-STD-461F
<b>Water and Dust Resistance</b>	IP65
<b>Regulatory</b>	FCC Class B, CE, RoHS compliant
<b>Temperature</b>	<b>Operation:</b> -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 <b>Storage:</b> -55°C to 70°C (-67°F to 158°F) <small>* 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)</small>
<b>Humidity</b>	0% – 90% non-condensing

### Major Options


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

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

