



## DT311T Rugged Tablets

### Slim, Rugged, Multi-functional Wireless Computing

The DT311 Series Rugged Tablets feature the integration of high brightness 11.6" capacitive touch screens and high performance, energy-efficient Intel® processors within slim, lightweight, durable packages. With built-in smart card/CAC reader, Wi-Fi and Bluetooth as well as options for front/ back cameras, barcode scanner, GNSS, and 4G connection, these robust tablets offer seamless information capture and transmission for improved workflow. Rated IP65 and MIL-STD-810G certified with wide temperature range (-4°F to 140°F), the DT311 Series Rugged Tablets provide reliable operation in harsh, mission-critical environments.



### Features

- 11.6" high-brightness capacitive touch screen (800 nits), digital pen support
- Intel® 8<sup>th</sup> Generation Core™ i5/i7 processor
- Microsoft® Windows® 10 IoT Enterprise operating system
- NIST compliant BIOS available
- High capacity, hot-swappable battery pack
- IP65 rated, MIL-STD-810G and MIL-STD-461F certified
- Build-in smart card/ CAC reader

### Major Options

- RS-232 port
- Front and back cameras
- Barcode scanner
- U-blox M8 GNSS module
- 4G LTE/AWS

## Specifications

### System

|                                   |   |
|-----------------------------------|---|
| <b>CPU</b>                        | Intel® 8 <sup>th</sup> Generation Core™ i5 or i7 quad-core processor  |
| <b>RAM</b>                        | 8GB to 16GB   |
| <b>Storage</b>                    | 256GB to 2TB Flash  |
| <b>Operating System</b>           | Microsoft® Windows® 10 IoT Enterprise                                 |
| <b>NIST Compliance</b>            | NIST compliant BIOS available   |
| <b>Display</b>                    | 11.6" LED-backlight screen with capacitive touch                      |
| <b>Display Resolution</b>         | 1920 x 1080   |
| <b>Fan/ Fanless</b>               | Fanless   |
| <b>Control Switch and Buttons</b> | 1 power button, 1 trigger button, 3 programmable buttons, 1 RF switch |
| <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 4.2 LE                       |

### I/O Ports

|                              |  |
|------------------------------|--|
| <b>USB Ports</b>             | 1 USB 3.0 and 1 USB 2.0, or can be changed to 1 USB 3.0 and 1 full size SD card slot |
| <b>Headset Jack</b>          | 1 (3.5mm)  |
| <b>DC-in</b>                 | 1  |
| <b>Ethernet</b>              | 1 RJ45 connector for Ethernet  |
| <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>          | Input: 100-240V AC; Output: 19V DC, 3.42A   |
| <b>Battery Pack</b>           | Hot swappable battery, 11.4V, 5400mAh; Hot swappable battery, 11.4V, 8000mAh (optional)   |
| <b>Enclosure</b>              | ABS + PC plastics and magnesium-aluminum alloy  |
| <b>Protective Bumpers</b>     | Rubber bumpers on each corner for handling protection   |
| <b>Dimensions (H x W x D)</b> | 8.3 x 12.4 x 0.86 in/ 212 x 316 x 21.9 mm   |
| <b>Weight</b>                 | 3.5 lbs/ 1.6 kg   |
| <b>Durability</b>             | IP65, MIL-STD-810G and MIL-STD-461F certified   |
| <b>Regulatory</b>             | FCC Class B, CE, RoHS compliant   |
| <b>Temperature</b>            | 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<br>* For battery safety, optimal functionality and performance, the recommended usage temperature range is from -10°C to 45°C (14°F to 113°F).<br>Storage: -55°C to 70°C (-67°F to 158°F) |
| <b>Humidity</b>               | 0% – 90% non-condensing   |

### Major Options

|                         |   |
|-------------------------|---|
| <b>Barcode Scanner</b>  | 2D scanner, reads 1D also   |
| <b>Camera</b>           | 2 megapixel front camera, and 8 megapixel back camera   |
| <b>GNSS Module</b>      | U-blox M8 GNSS module with concurrent reception of GPS and GLONASS; industry leading -167dBm navigation sensitivity |
| <b>I/O Port Module</b>  | RS-232 port, 6-pin lockable connector included  |
| <b>Mobile Broadband</b> | 4G LTE/AWS  |

\* Specifications subject to change without notice.

## Accessories

### 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)<br>Diameter: 0.38 in/ 9.7 mm |
| <b>Weight</b>     | 0.055 lbs/ 25 g   |



### Desktop Charging Cradle

Docking support with ports for Power, USB, HDMI outputs and Ethernet



### Detachable Keyboard

Designed to connect to a DT Research Tablet, instantly pairs, ideal for 2-in-1 applications.



### Tablet Mount Cradle

Offers Tablet storage and security with power, HDMI-out, COM, Ethernet pass-through, and USB ports. Power supply is not included



### 5-Bay Cabinet Charger

Multi-tray charger, capable of charging up to 5 tablets simultaneously



- Battery Charging Kits



- Carrying Case



- High Capacity Battery Pack



## Glacier Computer

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