



## DT301Y/ DT311Y/ DT313Y Rugged Tablets

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

The DT301Y, DT311Y and DT313Y Rugged Tablets feature the integration of high brightness 10.1", 11.6" and 13.3" capacitive touch screens and high performance, energy-efficient Intel® Core™ i processors within slim, lightweight, durable packages. With built-in smart card/CAC reader, Wi-Fi and Bluetooth as well as optional data capture modules, these robust tablets offer seamless information capture and transmission for improved workflow. Rated IP65, MIL-STD-810G/461F and HERO certified with wide temperature range, the DT301Y, DT311Y and DT313Y Rugged Tablets provide reliable operation in harsh, mission-critical environments.



### Features

- 10.1", 11.6" or 13.3" high-brightness capacitive screens, digital pen support
- Intel® 8<sup>th</sup> or 10<sup>th</sup> Generation Core™ i5/i7 processor
- Microsoft® Windows® 10 IoT Enterprise operating system
- NIST compliant BIOS available
- IP65-rated for water and dust resistance
- MIL-STD-810G for shock and vibration protection
- MIL-STD-461F for EMI and EMC tolerance
- HERO (Hazard of Electromagnetic Radiation to Ordnance) certified
- Built-in smart card/CAC reader
- Anti-microbial coating (DT301Y and DT311Y)
- Detachable keyboard option for 2-in-1 applications

### Major Options

- Front and back cameras
- Barcode scanner
- UHF RFID reader
- Long range Bluetooth
- U-blox M8 GNSS module
- 4G LTE/AWS

# Specifications



| Model                      | DT301Y   | DT311Y  | DT313Y  |
|----------------------------|--|---|---|
| <b>System</b>              |  |   |   |
| CPU                        | Intel® Core™ i5-8250U, Quad-Core, 1.6GHz (up to 3.4GHz)<br>Intel® Core™ i7-8550U, Quad-Core, 1.8GHz (up to 4.0GHz)<br>Intel® Core™ i7-10710U, Hexa-Core, 1.1GHz (up to 4.7GHz) |   |   |
| RAM                        | 8GB to 32GB  | 8GB to 32GB   | 8GB to 32GB   |
| Storage                    | 256GB to 2TB Flash   | 256GB to 2TB Flash  | 256GB to 2TB Flash  |
| Operating System           | Microsoft® Windows® 10 IoT Enterprise  |   |   |
| NIST Compliance            | NIST compliant BIOS available  |   |   |
| Display                    | 10.1" LED-backlight, high-brightness (800 nits) screen with capacitive touch, outdoor viewable   | 11.6" LED-backlight, high-brightness (1000 nits) screen with capacitive touch, outdoor viewable | 13.3" LED-backlight, high-brightness (1000 nits) screen with capacitive touch, outdoor viewable |
| Display Resolution         | 1920 x 1200  | 1920 x 1080   | 1920 x 1080   |
| Control Switch and Buttons | 1 power button, 2 brightness control buttons, 5 programmable buttons   |   | 1 power button, 2 brightness control buttons, 5 programmable buttons                            |
| Microphone                 | Built-in microphone  | Built-in microphone   | Built-in microphone   |
| Speaker                    | Built-in speaker   | Built-in speaker  | Built-in speaker  |

## Network Interface

|           |  |                  |                  |
|-----------|--|------------------|------------------|
| WLAN      | Wi-Fi 802.11ac, 2.4GHz/ 5GHz dual band |                  |                  |
| Bluetooth | Bluetooth 4.2 LE                       | Bluetooth 4.2 LE | Bluetooth 4.2 LE |

## I/O Ports

|                        |   |  |   |
|------------------------|---|--|---|
| USB Ports              | USB 3.0 x 1,<br>USB Type C x 1 (data transmitting and charging) | USB 2.0 x 1, USB 3.0 x 1,<br>USB Type C x 1 (data transmitting and charging) | USB 3.0 x 3,<br>USB Type C x 1 (data transmitting and charging) |
| Headset Jack           | 1 (3.5mm)   | 1 (3.5mm)  | 1 (3.5mm)   |
| Ethernet Port          | 1   | 1  | 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: 20V DC, 3.25A   |  |  |
| Battery Pack   | Hot swappable battery, 11.4V, 5400mAh;<br>Hot swappable battery, 11.4V, 8000mAh (optional)  |  |  |
| Enclosure  | ABS + PC plastics and magnesium-aluminum alloy with anti-microbial coating  | ABS + PC plastics and magnesium-aluminum alloy | ABS + PC plastics and magnesium-aluminum alloy |
| Dimensions (H x W x D)   | 7.8 x 11 x 0.86 in/ 198 x 280 x 21.9 mm   | 8.3 x 12.4 x 0.86 in/ 212 x 316 x 21.9 mm      | 10.6 x 13.2 x 0.8 in/ 270 x 335 x 21 mm        |
| Weight   | 2.86 lbs/ 1.3 kg  | 3.5 lbs/ 1.6 kg                                | 3.97 lbs/ 1.8 kg                               |
| Durability   | IP65, MIL-STD-810G and MIL-STD-461F certified   |  | IP65 and MIL-STD-810G certified                |
| Hazard of Electromagnetic Radiation to Ordnance (HERO) Testing | Yes   | Yes  | N/A  |
| Regulatory   | FCC Class B, CE, RoHS compliant   |  |  |
| Temperature  | Operation*: -10°C to 60°C (14°F to 140°F), optional -30°C to 60°C (-22°F to 140°F)<br>Storage: -55°C to 70°C (-67°F to 158°F)<br><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> |  |  |
| Humidity   | 0% – 90% non-condensing   |  |  |

## Major Options

|                      |   |   |            |
|----------------------|---|---|------------|
| Barcode Scanner      | 2D scanner, reads 1D also   |   |            |
| Camera               | 2 megapixel front camera, and 8 megapixel back camera   |   |            |
| UHF RFID Reader      | 865MHz – 928MHz, EPCglobal Class 1 Gen 2/ ISO 18000-6C; 16 feet (4.87m) read distance                               | 865MHz – 928MHz, EPCglobal Class 1 Gen 2/ ISO 18000-6C; 30 feet (9.14m) read distance | N/A        |
| Long Range Bluetooth | Class 1 Bluetooth (1000 ft)   | Class 1 Bluetooth (1000 ft)   | N/A        |
| GNSS Module          | U-blox M8 GNSS module with concurrent reception of GPS and GLONASS; industry leading -167dBm navigation sensitivity |   |            |
| Mobile Broadband     | 4G LTE/AWS  | 4G LTE/AWS  | 4G LTE/AWS |

\* Specifications subject to change without notice.

