

# DT301 Series Rugged Tablet

## Slim, Rugged, Multi-functional Wireless Computing



The DT301 Series Rugged Tablet features the integration of a high brightness 10.1" capacitive touch screen and a high performance, energy-efficient Intel® processor within a slim, lightweight, durable package. With built-in Wi-Fi and Bluetooth as well as options for barcode scanner, 3D camera, GNSS, and 4G connection, this robust tablet offers seamless information capture and transmission for improved workflow. Rated IP65, MIL-STD-810G and MIL-STD-461F, the DT301 Series Rugged Tablet provides reliable operation in harsh, mission-critical environments.

### Features



- Intel® Celeron® or 8<sup>th</sup> Generation Core™ i5/i7 processor
- Microsoft® Windows® operating system
- 10.1" sunlight readable capacitive touch screen (800 nits), digital pen support
- High capacity, hot-swappable battery pack
- IP65 rated, MIL-STD-810G and MIL-STD-461F certified
- Build-in smart card/ CAC reader (DT301C/ CT301T)
- Optional Intel® RealSense™ Depth camera (DT301X), 2D barcode scanner
- Optional long range Bluetooth, GNSS, 4G LTE



### Applications

- Government/ Military
- Inventory/ Warehousing
- Control/ Monitoring
- Hospitality
- Retail
- Healthcare
- Manufacturing
- Construction
- Utilities/ Smart City
- Logistics
- Law Enforcement

# Specifications

|                                     |   |           |   |
|-------------------------------------|---|--|---|
| Model                               | DT301C  | DT301T   | DT301X  |
| <b>System</b>                       |   |  |   |
| CPU                                 | Intel® Celeron® processor   | Intel® 8 <sup>th</sup> Generation Core™ i5 or i7 quad-core processor                       | 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)  |
| RAM                                 | 8GB   | 8GB to 16GB  | 8GB to 16GB   |
| Storage                             | 256GB Flash   | 256GB to 2TB Flash   | 256GB to 2TB Flash  |
| Operating System                    | Microsoft® Windows® 7 Professional or Windows® 10 IoT Enterprise<br>* Special order for Windows® 7 with Intel® 6 <sup>th</sup> Generation Core™ i processor                 | Microsoft® Windows® 10 IoT Enterprise  |   |
| Display                             | 10.1" LED-backlight screen with capacitive multi-touch  | 10.1" high-brightness (800 nits) screen with capacitive touch, outdoor viewable            |   |
| Display Resolution                  | 1920 x 1200   | 1920 x 1200  | 1920 x 1200   |
| Control Switch and Buttons          | 1 power button, 3 programmable buttons, 1 RF switch   |  |   |
| Speaker                             | Built-in speaker  | Built-in speaker   | Built-in speaker  |
| <b>Network Interface</b>            |   |  |   |
| WLAN                                | Wi-Fi 802.11ac, 2.4GHz/ 5GHz dual band  |  |   |
| Bluetooth                           | Bluetooth 4.2 LE  | Bluetooth 4.2 LE   | Bluetooth 4.2 LE  |
| <b>I/O Ports</b>                    |   |  |   |
| USB Ports                           | 1 (USB 3.0)   | 1 (USB 3.0)  | USB 3.0 x 1 and USB Type-C x 1  |
| Headset Jack                        | 1 (3.5mm)   | 1 (3.5mm)  | 1 (3.5mm)   |
| DC-in                               | 1   | 1  | 1   |
| Ethernet                            | N/A   | N/A  | Ethernet 10/ 100/ 1000MB Base-T LAN   |
| Smart Card/CAC Reader               | Full-slot, reads ISO 7816 T=0, T=1; 1.8/3/5V smart card   |  | N/A   |
| <b>Mechanical and Environmental</b> |   |  |   |
| AC/DC Adapter                       | Input: 100 – 240V AC; Output: 19V DC, 3.42A   |  |   |
| Battery Pack                        | Hot Swappable battery, 7.2V, 6150mAh  | Hot swappable battery, 11.4V, 5400mAh;<br>Hot swappable battery, 11.4V, 8000mAh (optional) | Hot swappable battery, 11.4V, 5400mAh;<br>Hot swappable battery, 11.4V, 8000mAh (optional)  |
| Enclosure                           | 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   | 7.8 x 11 x 0.86 in/ 198 x 280 x 21.9 mm  | 7.8 x 11 x 0.86 in/ 198 x 280 x 21.9 mm   |
| Weight                              | 3.1 lbs/ 1.4 kg   | 3.1 lbs/ 1.4 kg  | 3.1 lbs/ 1.4 kg   |
| Durability                          | IP65, MIL-STD-810G and MIL-STD-461F certified   |  |   |
| 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<br>Storage: -55°C to 70°C (-67°F to 158°F) |  | Operation: -20°C – 45°C (-4°F – 113°F, AC mode),<br>0°C – 45°C (32°F – 113°F, battery mode);<br>Storage: -55°C – 70°C (-67°F to 158°F)  |
| Humidity                            | 0% – 90% non-condensing   |  |   |
| <b>Major Options</b>                |   |  |   |
| Barcode Scanner                     | 2D barcode scanner; reads 1D also   |  |   |
| Camera                              | 2 megapixel front camera and 8 megapixel back camera with auto focus, white balance, gain control and exposure control  |  | 8 megapixel back camera; Or, Intel® RealSense™ Depth back camera, supports distance capture for the 3D scanning, environment sensing and background segmentation applications |
| Camera Light                        | N/A   | N/A  | External camera LED light with mounting bracket   |
| Long Range Bluetooth                | N/A   | N/A  | Class 1 Bluetooth (1000 ft)   |
| 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.

\*\* For battery safety, optimal functionality and performance, the recommended usage temperature range is from -10°C to 45°C (14°F to 113°F).

## Accessories

- Digital Pen
- Detachable Keyboard
- Wall/Vehicle Mount Cradle
- Keyboard Mounting Kit for Vehicle/Wall Mount Cradle
- Battery Pack
- Battery Gang Charger
- Single Bay Charger

