# DT Research

# DT301XC/ DT301X

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



The DT301XC/ DT301X 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 modules 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 DT301XC/ DT301X Rugged Tablet provides reliable operation in harsh, mission-critical environments.

## Features

- Intel® Celeron® or 8th Generation Core™ i5/i7 processor
- Microsoft® Windows® or Android operating system
- 10.1" sunlight readable capacitive touch screen (800 nits), digital pen support
- High capacity, hot-swappable battery pack
- IP65-rated for water and dust resistance
- MIL-STD-810G for shock and vibration protection
- MIL-STD-461F for EMI and EMC tolerance
- Optional Intel® RealSense™ Depth camera, 2D barcode scanner
- Optional long range Bluetooth, GNSS, 4G LTE

## Applications

- Government/ Military
- Inventory/ Warehousing
- Control/ Monitoring
- Finance
- Hospitality
- Retail
- Healthcare
- Education
- Manufacturing

DT301XC/ DT301X

## Specifications

| | DT301XC | DT301X |
|---|---|---|
| **Model** | **DT301XC** | **DT301X** |

### System

| | DT301XC | DT301X |
|---|---|---|
| **CPU** | Intel® Celeron® 3955U , Dual-Core, 2.4GHz | 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** | 4GB | 8GB to 16GB |
| **Storage** | 128GB to 256GB Flash | 128GB to 1TB Flash |
| **Operating System** | Windows® 10 IoT Enterprise or Android 8.0 | Microsoft® Windows® 10 IoT Enterprise |
| **Display** | 10.1" high-brightness (800 nits) screen with capacitive touch, outdoor viewable ||
| **Display Resolution** | 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 |

### Network Interface

| | DT301XC | DT301X |
|---|---|---|
| **WLAN** | Wi-Fi 802.11ac, 2.4GHz/ 5GHz dual band | Wi-Fi 802.11ac, 2.4GHz/ 5GHz dual band |
| **Bluetooth** | Bluetooth 4.0 LE | Bluetooth 4.0 LE |

### I/O Ports

| | DT301XC | DT301X |
|---|---|---|
| **USB Ports** | USB 3.0 x 1 and USB Type-C x 1 ||
| **Headset Jack** | 1 (3.5mm) | 1 (3.5mm) |
| **DC-in** | 1 | 1 |
| **Ethernet** | Ethernet 10/ 100/ 1000MB Base-T LAN | Ethernet 10/ 100/ 1000MB Base-T LAN |

### Mechanical and Environmental

| | DT301XC | DT301X |
|---|---|---|
| **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; 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 |
| **Weight** | 2.86 lbs/ 1.3 kg | 3.1 lbs/ 1.4 kg |
| **Regulatory** | FCC Class B, CE, RoHS compliant ||
| **Temperature** | **Operation\*:** -20°C – 60°C (AC mode), -20°C – 45°C (battery mode); **Storage:** -55°C – 70°C ||
| **Humidity** | 0% – 90% non-condensing ||

### Major Options

| | DT301XC | DT301X |
|---|---|---|
| **Barcode Scanner** | 2D scanner, reads 1D also | 2D scanner, reads 1D also |
| **Camera** | 8 megapixel back camera with auto focus, white balance, gain control, and exposure control | 8 megapixel back camera with auto focus, white balance, gain control, and exposure control. Or, Intel® RealSense™ Depth back camera, supports distance capture for the 3D scanning, environment sensing and background segmentation applications |
| **Long Range Bluetooth** | Class 1 Bluetooth (1000 ft) | 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 |

\* Specifications subject to change without notice.

## 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

**Product Configurator**
www.dtresearch.com/productconfig