



DT311YR Rugged Tablet

Slim, Rugged, Multi-Functional Wireless Computing

The DT311YR Rugged Tablet features the integration of high-brightness 11.6" touchscreen and a high-performance, energy-efficient Intel® Core™ processor within a slim, lightweight, durable package. With built-in smart card/CAC reader and Wi-Fi as well as optional data capture modules, this robust tablet offers seamless information capture and transmission for improved workflow. Rated IP65, MIL-STD-810G/461F and HERO certified with a wide temperature range, the DT311YR Rugged Tablet provides reliable operation in harsh, mission-critical environments.



Features

- 11.6" sunlight readable touchscreen, digital pen supported
- Intel® Core™ i5/i7 processor
- Microsoft® Windows® 10/11 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
- Antimicrobial coating
- Slim keyboard option for 2-in-1 applications

Major Options

- Front and back cameras
- Barcode scanner
- UHF RFID reader
- GPS module
- 4G LTE/AWS

Specifications



| | |
|---------------------------|---|
| Model | DT311YR |
| System | |
| CPU | Intel® Core™ i7-1335U, 10Core, up to 5.0 GHz Intel® Core™ i5-1335U, 10-Core, up to 4.6 GHz |
| RAM | 8GB to 32GB |
| Storage | 256GB to 2TB Flash |
| Operating System | Microsoft® Windows® 10/11 IoT Enterprise |
| NIST Compliance | NIST Compliant BIOS Available |
| Display | 11.6" LED-Backlit, Sunlight Readable (1000 nits) Touchscreen |
| Display Resolution | 1920 x 1080 |
| Internet | Wi-Fi 802.11ax, 2.4/5/6 GHz Dual Band |
| BT | 5.2 |

I/O Interface

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|-------------------------------|--|
| AC/DC Adapter | Input: 100-240V AC; Output: 19V DC, 3.42A |
| Speaker | Built-In Speaker |
| Microphone | Built-In Microphone |
| USB Ports | 1 x USB 3.0, 1 x USB Type-C |
| Ethernet Port | 1 x Ethernet 10/100/1000MB Base-T LAN |
| Headphone Jack | 1 (3.5 mm) |
| DC IN Jack | 1 |
| Smart Card/CAC Reader | Full-Slot, Reads ISO 7816 T=0, T=1; 1.8/3/5V Smart Card |
| Switches & Buttons | 1 x Power Button; 2 x Brightness Buttons; 5 x Programmable Buttons |

Mechanical and Environmental

| | |
|---|---|
| Enclosure | ABS + PC Plastic and Magnesium-Aluminum Alloy |
| Battery Pack | Hot-Swappable Battery (11.4V, 5400mAh) Hot-Swappable Battery (11.4V, 8000mAh)(Optional) |
| Dimensions (H x W x D) | 8.3 x 12.4 x 0.86 in/212 x 316 x 21.9 mm |
| Weight | 3.5 lbs/1.6 kg |
| Temperature | Operation*: -10°C to 60°C (14°F to 140°F) Optional -30°C to 60°C (-22°F to 140°F) *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) Storage: -55°C to 70°C (-67°F to 158°F) |
| Humidity | 0% – 90% Non-Condensing |
| Certifications | FCC Class B, CE, RoHS Compliant |
| Durability | IP65, MIL-STD-810G and MIL-STD-461F Certified |
| Hazard of Electromagnetic Radiation to Ordnance (HERO) Testing | Yes |

Major Options

| | |
|-------------------------|--|
| Barcode Scanner | 2D Barcode Scanner (Reads 1D & 2D) |
| Camera | 5MP Front Camera & 8MP Back Camera |
| UHF RFID Reader | 865 – 928MHz, EPCglobal Class 1 Gen 2/ISO 18000-6C; 30 ft (9.14m) Reading Distance |
| GNSS Module | U-blox M9N GNSS Module |
| Mobile Broadband | 4G LTE/AWS |

* Specifications subject to change without notice.

Accessories

The DT311Y Tablet has customized accessories to meet numerous deployment needs.

Digital Pen

| | |
|-------------------|---|
| Pen Tip | Diameter: 0.059 in/ 1.5mm, replaceable |
| Buttons | 2 side buttons (right-click and eraser) |
| Battery | 1 AAAA, replaceable |
| Color | Black |
| Dimensions | Length: 5.5 in/ 140 mm (including pen tip) Diameter: 0.38 in/ 9.7 mm |
| Weight | 0.055 lbs/ 25 g |



Slim Detachable Keyboard

Designed to connect to DT311Y tablet without switching and pairing



Handstrap with Kickstand

With rotatable, adjustable handstrap and foldable kickstand



Desktop Charging Cradle

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



Wall/ Vehicle Mount Cradle

Offers Tablet storage and security with power supply and I/O ports.



Battery Charging Kits



Carrying Case



High Capacity Battery Pack

