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™ i7-1355U, 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

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	865 – 928MHz, EPCglobal Class 1 Gen 2/ISO 18000-6C; 30 ft (9.14m) Reading Distance
Reader	GPS Module with Concurrent Reception of GPS and GLONASS; Industry Leading - 167dBm Navigation Sensitivity
GNSS Module	4G LTE/AWS
Mobile Broadband	

* 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