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® 8th or 10th 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
- Detachable keyboard option for 2-in-1 applications

Major Options

- Front and back cameras
- Intel® RealSense™ Depth camera
- Barcode scanner
- UHF RFID reader
- Long range Bluetooth
- U-blox M8 GNSS module
- 4G LTE/AWS

Specifications

Model	DT301Y	DT311Y	DT313Y

System

CPU	Intel® Core™ i5-8250U, Quad-Core, 1.6GHz (up to 3.4GHz) Intel® Core™ i7-8550U, Quad-Core, 1.8GHz (up to 4.0GHz) 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 (1000 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
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, USB Type C x 1 (data transmitting and charging)	USB 2.0 x 1, USB 3.0 x 1, USB Type C x 1 (data transmitting and charging)	USB 3.0 x 3, 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; Hot swappable battery, 11.4V, 8000mAh (optional)		
Enclosure	ABS + PC plastics and magnesium-aluminum alloy with anti-microbial coating		
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) Storage: -55°C to 70°C (-67°F to 158°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)		
Humidity	0% – 90% non-condensing		

Major Options

Barcode Scanner	2D scanner, reads 1D also		
Camera	2 megapixel front camera, and 8 megapixel back camera; or, Intel® RealSense™ Depth back camera, supports distance capture for 3D scanning, environment sensing, and background segmentation applications		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
Antenna	N/A	N/A	Dual pass through antennas integrated in the docking cradle

* Specifications subject to change without notice.

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Product Configurator

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