



DT301YR Rugged Tablet

Slim, Rugged, Multi-Functional Wireless Computing

The DT301YR Rugged Tablet features the integration of a high-brightness 10.1" touchscreen and a high-performance, energy-efficient Intel® Core™ processor within a slim, lightweight, durable package. With a 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-810H/461G, and HERO certified with a wide temperature range, the DT301YR Rugged Tablet provides reliable operation in harsh, mission-critical environments.



Features

- 10.1" 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-810H for shock and vibration protection
- MIL-STD-461G 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
- Energy Star 8.0 certified

Major Options

- LONG RANGE BT Class 1 (1000 ft)
- Front and back cameras
- Barcode scanner
- UHF RFID reader
- GPS module
- 4G LTE/AWS

Specifications



Model	DT301YR
System	
CPU	Intel® Core™ i7-1335U, 10-Core, 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	10.1" LED-Backlit, Sunlight Readable (1000 nits) Touchscreen
Display Resolution	1920 x 1200
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)	7.8 x 11 x 0.86 in/198 x 280 x 21.9 mm
Weight	2.86 lbs/1.3 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: -50°C to 70°C (-58°F ~ 158°F)
Humidity	0% – 90% Non-Condensing
Certifications	FCC Class B, CE, RoHS, Energy Star 8.0 Compliant
Durability	IP65, MIL-STD-810H and MIL-STD-461G 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 – 928 MHz, EPCglobal Class 1 Gen 2/ISO 18000-6C; 16 ft (4.87m) Reading Distance
GNSS Module	U-blox M9N GNSS Module
Mobile Broadband	4G LTE/AWS

* Specifications subject to change without notice.

Accessories

The DT301Y 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



Desktop Charging Cradle

Docking support with ports for Power, COM, USB, HDMI outputs and Ethernet



Detachable Slim Keyboard

Slim and lightweight with magnetic hinge to effortlessly attach/detach to the DT311YR rugged tablet.



Wall/ Vehicle Mount Cradle

Secure Tablet mounting and charging with power, Ethernet pass-through, HDMI-out, COM, and USB ports



Battery Charging Kits



Carrying Case



Battery Pack



Product Configurator



www.dtresearch.com/productconfig