DT301C/ DT301T/ DT301X
Rugged Tablets

Slim, Rugged, Multi-functional Wireless Computing

The DT301 Series 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 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 DT301 Series Rugged Tablet provides reliable operation in harsh, mission-critical environments.

Features

- 10.1" high-brightness capacitive touch screen (800 nits), digital pen support
- Intel® Celeron® or 8th Generation Core™ i5/i7 processor
- Microsoft® Windows® 10 IoT Enterprise operating system
- High capacity, hot-swappable battery pack
- IP65 rated, MIL-STD-810G and MIL-STD-461F certified
- Build-in smart card/ CAC reader (DT301C/ CT301T)

Major Options

- Front and back cameras
- Intel® RealSense™ Depth camera (DT301X)
- Barcode scanner
- U-blox M8 GNSS module
- 4G LTE/AWS

Specifications

Model	DT301C	DT301T	DT301X

System

	DT301C	DT301T	DT301X
CPU	Intel® Celeron® processor	Intel® 8th Generation Core™ i5 or i7 quad-core processor	Intel® Core™ i5-8250U, Quad-Core, 1.6GHz (up to 3.4GHz) Intel® Core™ i7-8550U, Quad-Core, 1.8GHz (up to 4.0GHz)
RAM	8GB	8GB to 16GB	8GB to 16GB
Storage	256GB Flash	256GB to 2TB Flash	256GB to 2TB Flash
Operating System	Microsoft® Windows® 7 Professional or Windows® 10 IoT Enterprise * Special order for Windows® 7 with Intel® 6th Generation Core™ i processo	Microsoft® Windows® 10 IoT Enterprise	Microsoft® Windows® 10 IoT Enterprise
Display	10.1" LED-backlight screen with capacitive multi-touch	10.1" high-brightness (800 nits) screen with capacitive touch, outdoor viewable	
Display Resolution	1920 x 1200	1920 x 1200	1920 x 1200
Fan/ Fanless	Fanless	Fanless	Fanless
Control Switch and Buttons	1 power button, 3 programmable buttons, 1 RF switch		
Speaker	Built-in speaker	Built-in speaker	Built-in speaker

Network Interface

	DT301C	DT301T	DT301X
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

	DT301C	DT301T	DT301X
USB Ports	USB 3.0 X 1	USB 3.0 X 1	USB 3.0 X 1
Headset Jack	1 (3.5mm)	1 (3.5mm)	1 (3.5mm)
DC-in	1	1	1
Ethernet	N/A	N/A	Ethernet 10/ 100/ 1000MB Base-T LAN
Smart Card/CAC Reader	Full-slot, reads ISO 7816 T=0, T=1; 1.8/3/5V smart card		N/A

Mechanical and Environmental

	DT301C	DT301T	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	7.8 x 11 x 0.86 in/ 198 x 280 x 21.9 mm
Weight	3.1 lbs/ 1.4 kg	3.1 lbs/ 1.4 kg	3.1 lbs/ 1.4 kg
Durability	IP65, MIL-STD-810G and MIL-STD-461F certified		
Regulatory	FCC Class B, CE, RoHS compliant		
Temperature	Operation**: -20°C to 60°C (-4°F to 140°F), tested under MIL-STD-810G method 501.6, Procedure II, and method 502.6, Procedure II Storage: -55°C to 70°C (-67°F to 158°F)		Operation: -20°C – 45°C (-4°F – 113°F, AC mode), 0°C – 45°C (32°F – 113°F, battery mode); Storage: -55°C – 70°C (-67°F to 158°F)
Humidity	0% – 90% non-condensing		

Major Options

	DT301C	DT301T	DT301X
Barcode Scanner	2D scanner, reads 1D also		
Camera	2 megapixel front camera and 8 megapixel back camera with auto focus, white balance, gain control and exposure control		8 megapixel back camera; or, Intel® RealSense™ Depth back camera, supports distance capture for the 3D scanning, environment sensing and background segmentation applications
Camera Light	N/A	N/A	External camera LED light with mounting bracket
Long Range Bluetooth	N/A	N/A	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	4G LTE/AWS

* Specifications subject to change without notice.
** For battery safety, optimal functionality and performance, the recommended usage temperature range is from -10°C to 45°C (14°F to 113°F).

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