

Rugged Tablet

Slim, Rugged, Multi-functional Wireless Computing



The DT Research Rugged Tablets feature the integration of brilliant capacitive touchscreens and high performance, energy-efficient Intel® processors within slim, lightweight, and durable packages. With built-in smart card/CAC reader, Wi-Fi, Bluetooth modules as well as optional camera, 2D barcode scanner, NFC/RFID reader and mobile broadband modules, these robust tablets offer seamless information capture and transmission for improved workflow. With IP65 and MIL-STD-810G rating and MIL-STD-461F certification, the DT Research Rugged Tablets provide reliable operation in harsh, mission critical environments.

Features






- Intel® 5th/6th Generation Core™ i series, Celeron®, or Atom™ processor
- Support for Microsoft® Windows® 7, Windows® 10 IoT Enterprise operating system
- 8.9", 10.1" or 11.6" Full-HD capacitive touchscreen
- Integrated full-slot smart card/ CAC reader for DT301 and DT311 series
- IP65-rated for water and dust resistance
- MIL-STD-810G for shock and vibration protection
- MIL-STD-461F for EMI and EMC tolerance for DT301 and DT311 series
- NIST (National Institute of Standards and Technology) compliant for DT301 and DT311 series
- HERO (Hazard of Electromagnetic Radiation to Ordnance) certified for DT311 series
- Advanced data security with media sanitization supporting DoD and USA-AF/Navy/Army standards. Optional to DT301 and DT311 series
- Optional camera, 2D barcode scanner, NFC/RFID reader, GNSS and 4G modules
- Optional Class 1 Bluetooth (1000 ft.)



Applications

- Government/ Military
- Inventory/ Warehousing
- Control/ Monitoring
- Finance
- Hospitality
- Retail
- Healthcare
- Education
- Manufacturing

Specifications

							
Model	DT301C	DT301S	DT311C	DT311H	DT395CR		
System							
CPU	Intel® Celeron® processor		Intel® 6 th Generation Core™ i5 or i7 processor		Intel® Celeron® processor	Intel® 5 th Generation Core™ i5 or i7 processor	Intel® Atom™ Quad Core, 1.44GHz (up to 1.84GHz)
RAM	4GB		8GB		4GB	8GB to 16GB	4GB
Storage	64GB to 256GB		128GB to 512GB Flash		64GB to 256GB Flash	128GB to 512GB flash	64GB to 128GB flash
Operating System	Microsoft® Windows® 7 Professional or Windows® 10 IoT Enterprise			Microsoft® Windows® Embedded Standard 7, 7 Professional or Windows® 10 IoT Enterprise	Microsoft® Windows® 7 Professional or Windows® 10 IoT Enterprise		Microsoft® Windows® 10 IoT Enterprise
Display	10.1” LED-backlight screen with capacitive touch			11.6” LED-backlight screen with capacitive touch		8.9” LED-backlight screen with capacitive touch; anti-reflection outdoor viewable	
Display Resolution	1920 x 1200		1920 x 1200		1920 x 1080	1920 x 1080	1920 x 1200
NIST Compliant	Yes		Yes		Yes	Yes	N/A
Control Switch and Buttons	1 power button, 1 RF switch and 3 programmable buttons			1 power button, 1 RF switch and 3 programmable buttons			1 power button, 1 trigger button, 1 brightness control button and 1 up/down button for the volume
Indicator	1 power/ battery status LED			1 power/ battery status LED			1 display mode LED and 1 battery status LED
Microphone	Built-in microphone with DSP for video conference call			Built-in microphone with DSP for video conference call			Built-in microphone
Speaker	Built-in speaker	Built-in speaker	Built-in speaker	Built-in speaker	Built-in speaker	Built-in speaker	Built-in speaker
Network Interface							
WLAN	Wi-Fi 802.11ac; 2.4GHz/5GHz dual band			Wi-Fi 802.11ac; 2.4GHz/5GHz dual band			Wi-Fi 802.11ac
Bluetooth	Bluetooth 4.0 LE		Bluetooth 4.0 LE		Bluetooth 4.0 LE	Bluetooth 4.0 LE	Bluetooth 4.0 LE
I/O Ports							
USB Port	USB 3.0 X 1		USB 3.0 X 1		USB 3.0 X 1	USB 3.0 X 1	USB 2.0 X 1
Headset Jack	1 (3.5mm)		1 (3.5mm)		1 (3.5mm)	1 (3.5mm)	1 (3.5mm)
DC-in	1		1		1	1	1
SD Card Slot	N/A		N/A		N/A	N/A	1 microSD card slot
Smart Card/CAC Reader	Full slot, reads ISO 7816 T=0, T=1; 1.8/3/5V smart card			Full slot, reads ISO 7816 T=0, T=1; 1.8/3/5V smart card			N/A
Mechanical and Environmental							
AC/DC Adapter	Input: 100 – 240V AC; Output: 19V DC, 3.42A			Input: 100 – 240V AC; Output: 19V DC, 3.42A			Input: 100 – 240V AC; Output: 19V DC, 3.42A
Battery Pack	Hot Swappable battery, 7.2V, 6150mAh			Hot Swappable battery, 7.2V, 6150mAh			Internal 3.6V, 8800mAh
Enclosure	ABS + PC plastics and magnesium-aluminum alloy			ABS + PC plastics and magnesium-aluminum alloy			ABS + PC plastics
Protective Bumpers	Rubber bumpers on each corner for handling protection						
Dimensions (H x W x D)	7.5 x 10.7 x 0.86 in/ 190 x 272 x 21.9 mm			8.2 x 12.3 x 0.86 in/ 208.2 x 312.3 x 22 mm			7.7 x 10 x 1.3 in/ 196 x 256 x 33.5 mm
Weight	2.86 lbs/ 1.3 kg		2.86 lbs/ 1.3 kg		3.6 lbs/ 1.6 kg	3.6 lbs/ 1.6 kg	2.87 lbs/ 1.3 kg
Water and Dust Resistance	IP65		IP65		IP65	IP65	IP65
Vibration and Shock Resistance	MIL-STD-810G		MIL-STD-810G		MIL-STD-810G	MIL-STD-810G	MIL-STD-810G
EMI and EMC Tolerance	MIL-STD-461F		MIL-STD-461F		MIL-STD-461F	MIL-STD-461F	N/A
Hazard of Electromagnetic Radiation to Ordnance Testing	N/A		N/A		Yes	Yes	N/A
Regulatory	FCC Class B, CE, RoHS compliant						
Temperature	Operation: -4°F to 140°F (-20°C to 60°C); Storage:-67°F to 158°F (-55°C to 70°C)						Operation: 14°F to 122°F (-10°C to 50°C) Storage: -4°F to 140°F (-20°C to 60°C)
Humidity	0% – 90% non-condensing						
Major Options							
Camera	2 megapixel front camera and 5 megapixel back camera						5 megapixel back camera
Barcode Scanner (2D)	2D barcode scanner; reads 1D also						
NFC/RFID Reader	HF/RFID 13.56MHz reader (ISO 15693 and 14443 A/B compliant)						
Bluetooth	Class 1 Bluetooth (1000 ft.)			Class 1 Bluetooth (1000 ft.)			Class 1 Bluetooth (1000 ft.)
Media Sanitization	256GB flash storage. Supports advanced data security and with DoD 5220.22-M, USA-AF AFSSI 5020, USA Navy NAVSO P-5239-26, NSA Manual 130-2, USA-Army 380-19, NISPOMSUP Chap 8, Sect. 8-501 and NSA Manual 9-12 standards						N/A
I/O Port Modules	N/A	N/A	N/A	N/A	HDMI-in and Ethernet ports or *EIA/RS-232/422/485 and Ethernet ports *6-pin lockable connector included		
GNSS Module	U-blox M8 GNSS module with concurrent reception of GPS and GLONASS. Industry leading -167dBm navigation sensitivity.						N/A
Mobile Broadband	4G LTE/AWS	4G LTE/AWS	4G LTE/AWS	4G LTE/AWS	4G LTE/AWS	4G LTE/AWS	4G LTE

* Specifications subject to change without notice.

