

Rugged Tablet

Slim, Rugged, Multi-functional Wireless Computing



The DT Research Rugged Tablets feature the integration of brilliant 10.1" or 11.6" capacitive touch screens and high performance, energy-efficient Intel® processors within slim, lightweight, 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. Rated IP65, MIL-STD-810G as well as MIL-STD-461F certified, and with wide temperature range, the DT Research Rugged Tablets provide reliable operation in harsh, mission-critical environments.

Features

- Intel® Celeron® or 5th/6th Generation Core™ i series processor
- Support for Microsoft® Windows® 7 or Windows® 10 IoT Enterprise operating system
- Anti-reflection outdoor viewable screen with capacitive touch
- Built-in smart card/CAC reader (full-slot)
- 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 for DT311 series
- NIST (National Institute of Standards and Technology) compliant
- TPM (Trusted Platform Module) 2.0 support
- Optional camera, 2D barcode scanner, NFC/RFID reader and GNSS modules
- Optional Class 1 Bluetooth (1000 ft.)
- Optional 3G WWAN or 4G LTE modules



Applications

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

Specifications

				
Model	DT301C	DT301S	DT311C	DT311H
System				
CPU	Intel® Celeron® processor	Intel® 6 th Generation Core™ i5 or i7 processor	Intel® Celeron®, 1.5GHz	Intel® 5 th Generation Core™ i5 or i7 processor
RAM	4GB	4GB or 8GB	4GB	8GB to 16GB
Storage	64GB to 256GB	128GB to 512GB Flash	64GB to 256GB Flash	128GB to 512GB 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
Display	10.1" LED-backlight screen with capacitive touch		11.6" LED-backlight screen with capacitive touch	
Display Resolution	1920 x 1200	1920 x 1200	1920 x 1080	1920 x 1080
Trusted Platform Module	TPM 2.0 support	TPM 2.0 support	TPM 2.0 support	TPM 2.0 support
NIST Compliant	Yes	Yes	Yes	Yes
Control Switch and Buttons	1 power button, 1 RF switch and 3 programmable buttons		1 power button, 1 RF switch and 3 programmable buttons	
Indicator	1 power/ battery status LED		1 power/ battery status LED and 1 WLAN active LED	
Microphone	Built-in microphone with DSP for video conference call		Built-in microphone with DSP for video conference call	
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	
Bluetooth	Bluetooth 4.0 LE	Bluetooth 4.0 LE	Bluetooth 4.0 LE	Bluetooth 4.0 LE
I/O Ports				
USB Port	1 (USB 3.0)	1 (USB 3.0)	1 (USB 3.0)	1 (USB 3.0)
Audio Jack	1 (3.5mm)	1 (3.5mm)	1 (3.5mm)	1 (3.5mm)
DC-in	1	1	1	1
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	
Mechanical and Environmental				
AC/DC Adapter	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	
Enclosure	ABS + PC plastics and magnesium-aluminum alloy		ABS + PC plastics and magnesium-aluminum alloy	
Stylus	Capacitive touch stylus or digitizer digital pen		Capacitive touch stylus or digitizer digital pen	
Protective Bumpers	Rubber bumpers on each corner for handling protection		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	
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
Water and Dust Resistance	IP65	IP65	IP65	IP65
Vibration and Shock Resistance	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
Hazard of Electromagnetic Radiation to Ordnance Testing	N/A	N/A	Yes	Yes
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: -4°F to 140°F (-20°C to 60°C); Storage: -67°F to 158°F (-55°C to 70°C)	
Humidity	0% – 90% non-condensing			
Major Options				
Camera	2 megapixel front camera and 5 megapixel back camera with LED flash		2 megapixel front camera and 5 megapixel back camera with LED flash	
Barcode Scanner (2D)	2D barcode scanner; reads 1D also		2D barcode scanner; reads 1D also	
NFC/RFID Reader	HF/RFID 13.56MHz reader (ISO 15693 and 14443 A/B compliant)		HF/RFID 13.56MHz reader (ISO 15693 and 14443 A/B compliant)	
Long Range Bluetooth	Class 1 Bluetooth (1000 ft.)	Class 1 Bluetooth (1000 ft.)	Class 1 Bluetooth (1000 ft.)	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	3G WWAN or 4G LTE/AWS	4G LTE/AWS

* Specifications subject to change without notice.

