

# DT311 Series Rugged Tablet

## Slim, Rugged, Multi-functional Wireless Computing



The DT311 Series Rugged Tablets feature the integration of high brightness 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 and Bluetooth as well as options for front/ back cameras, barcode scanner, GNSS, and 4G connection, these robust tablets offer seamless information capture and transmission for improved workflow. Rated IP65 and MIL-STD-810G certified with wide temperature range (-4°F to 140°F), the DT311 Series Rugged Tablets provide reliable operation in harsh, mission-critical environments.

### Features



- Intel® Celeron® or 8<sup>th</sup> Generation Core™ i5 or i7 processor
- 11.6" sunlight readable capacitive touch screen (800 nits)
- High capacity, hot-swappable battery pack
- Built-in smart card/CAC reader
- Built-in SD card reader, 2<sup>nd</sup> USB port or HDMI-out port
- IP65 rated, MIL-STD-810G and MIL-STD-461F certified
- NIST (National Institute of Standards and Technology) compliant
- Optional cameras, 2D barcode scanner
- Optional RS-232 port
- Optional GNSS, 4G LTE



### Applications

- Government/ Military
- Inventory/ Warehousing
- Control/ Monitoring
- Finance
- Construction
- Utilities/ Smart City
- Logistics
- Law Enforcement
- Manufacturing

## Specifications


		
Model	DT311SC	DT311T
<b>System</b>		
CPU	Intel® Celeron® dual-core processor	Intel® 8 <sup>th</sup> Generation Core™ i5 or i7 quad-core processor
RAM	8GB	8GB to 16GB
Storage	256GB Flash	256GB to 2TB Flash
Operating System	Microsoft® Windows® 7 Professional or Windows® 10 IoT Enterprise	Microsoft® Windows® 10 IoT Enterprise
Display	11.6" LED-backlight screen with capacitive touch	
Display Resolution	1920 x 1080	1920 x 1080
NIST Compliant	Yes	Yes
Fan/ Fanless	Fanless	Fanless
Control Switch and Buttons	1 power button, 1 trigger button, 3 programmable buttons, 1 RF switch	
Indicator	1 power/ battery status LED	1 power/ battery status LED
Microphone	Built-in microphone with DSP for real-time video	
Speaker	Built-in speaker	Built-in speaker
<b>Network Interface</b>		
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
<b>I/O Ports</b>		
USB Port	1 (USB 3.0)	1 (USB 3.0)
Headset Jack	1 (3.5mm)	1 (3.5mm)
Ethernet	1 RJ45 connector for Ethernet	1 RJ45 connector for Ethernet
DC-in	1	1
Smart Card Reader	Full-slot or half-slot, reads ISO 7816 T=0, T=1; 1.8/3/5V smart card	
SD Slot*	1 full size SD card slot. *Can be changed to 1 USB 2.0 port or 1 HDMI-out port	
<b>Mechanical and Environmental</b>		
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, 11.4V, 5400mAh. Hot swappable battery, 11.4V, 8000mAh (optional)
Enclosure	ABS + PC plastics and magnesium-aluminum alloy	
Protective Bumpers	Rubber bumpers on each corner for handling protection	
Dimensions (H x W x D)	8.3 x 12.4 x 0.86 in/ 212 x 316 x 21.9 mm	8.3 x 12.4 x 0.86 in/ 212 x 316 x 21.9 mm
Weight	3.5 lbs/ 1.6 kg	3.5 lbs/ 1.6 kg
Durability	IP65, MIL-STD-810G and MIL-STD-461F certified	
Regulatory	FCC Class B, CE, RoHS compliant	FCC Class B, CE, RoHS compliant
Temperature	<b>Operation*</b> : -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 * For battery safety, optimal functionality and performance, the recommended usage temperature range is from -10°C to 45°C (14°F to 113°F). <b>Storage</b> : -55°C to 70°C (-67°F to 158°F)	
Humidity	0% – 90% non-condensing	
<b>Major Options</b>		
Barcode Scanner	2D scanner, reads 1D also	2D scanner, reads 1D also
Camera	2 megapixel front camera, and 8 megapixel back camera	
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
I/O Port Module	RS-232 port, 6-pin lockable connector included	

\* Specifications subject to change without notice.

## Accessories

The DT311 Series tablets have 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, USB, HDMI outputs and Ethernet.



### Detachable Keyboard

Designed to connect to a DT Research Tablet, instantly pairs, ideal for 2-in-1 applications.



### Tablet Mount Cradle

Offers Tablet storage and security with power, HDMI-out, COM, Ethernet pass-through, and USB ports. Power supply is not included



### 5-Bay Cabinet Charger

Multi-tray charger, capable of charging up to 5 tablets simultaneously



### Battery Charging Kits



### Carrying Case



### High Capacity Battery Pack

