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System

CPU	Intel® Pentium® Silver Quad-Core, 1.10GHz (up to 2.70GHz)	Intel® Atom™ Quad Core, 1.44GHz (up to 1.92GHz)	Intel® 8 th Generation Core™ i5 or i7 quad-core processor	Intel® Celeron® 3955U, Dual-Core, 2.0GHz	Intel® 8 th Generation Core™ i5 or i7 quad-core processor	Intel® 8 th or 10 th Generation Core™ i5 or i7 quad-core processor
RAM	8GB	4GB	8GB to 16GB	8GB	8GB to 16GB	8GB to 32GB
Storage	256GB flash	128GB flash	256GB to 2TB flash	256GB flash	256GB to 2TB flash	256GB to 2TB flash
Operating System	Microsoft® Windows® 10 IoT Enterprise					
NIST Compliance	NIST compliant BIOS available					
Display	6" LED-backlight capacitive touch screen	8" LED-backlight, high-brightness (850 nits) screen with capacitive touch, outdoor viewable	10.1" LED-backlight, high-brightness (800 nits) screen with capacitive touch, outdoor viewable			10.1" LED-backlight, high-brightness (1000 nits) screen with capacitive touch, outdoor viewable
Display Resolution	720 x 1440	1920 x 1200	1920 x 1200	1920 x 1200	1920 x 1200	1920 x 1200
Fan/ Fanless	Fanless	Fanless	Fanless	Fanless	Fanless	Fanless
Control Switch and Buttons	1 power button, 2 trigger buttons	1 power button, 1 trigger button	1 power button, 3 programmable buttons, 1 RF switch			1 power button, 2 brightness control buttons, 5 programmable buttons

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, 2.4GHz/ 5GHz dual band	
Bluetooth	Bluetooth 4.2 LE		Bluetooth 4.2 LE		Bluetooth 4.2 LE	

I/O Ports

USB Port	USB Type-C x 1 (data transmitting and charging; data transmitting only available in one insertion direction)	USB 3.0 X 1	USB 3.0 X 1	USB 3.0 x 1 and USB Type-C x 1	USB 3.0 x 1 and USB Type-C x 1	USB 3.0 x 1, USB Type C x 1 (data transmitting and charging)
Headset Jack	N/A	1 (3.5mm)	1 (3.5mm)	1 (3.5mm)	1 (3.5mm)	1 (3.5mm)
DC-in	N/A	1	1	1	1	N/A
Ethernet	N/A	N/A	N/A	1	1	1
Smart Card/CAC Reader	Full slot, reads ISO 7816 T=0, T=1; 1.8/3/5V smart card	N/A	Full slot, reads ISO 7816 T=0, T=1; 1.8/3/5V smart card	N/A	N/A	Full slot, reads ISO 7816 T=0, T=1; 1.8/3/5V smart card
SD Slot	N/A	1 micro SD card slot	N/A	N/A	N/A	N/A

Mechanical and Environmental

AC/DC Adapter	Input: 100-240V AC; Output: 12V, 5A	Input: 100-240V AC; Output: 12V, 5A	Input: 100 – 240V AC; Output: 19V DC, 3.42A			Input: 100-240V AC; Output: 20V DC, 3.25A
Battery Pack	Hot swappable battery, 4200mAh	Hot swappable battery, 3.7V, 8800mAh	Hot swappable battery, 11.4V, 5400mAh; Hot swappable battery, 11.4V, 8000mAh (optional)	Hot Swappable battery, 7.2V, 6150mAh	Hot swappable battery, 11.4V, 5400mAh; Hot swappable battery, 11.4V, 8000mAh (optional)	
Enclosure	ABS + PC plastics	ABS + PC plastics and magnesium-aluminum alloy			ABS + PC plastics and magnesium-aluminum alloy	
Dimensions (H x W x D)	7.6 x 3.7 x 1.2 in/ 192 x 95 x 31 mm	5.8 x 9.2 x 1.07 in/ 147.3 x 234 x 27.13 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	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	1.1 lbs/ 485 g	2.43 lbs/ 1.1 kg	3.1 lbs/ 1.4 kg	3.1 lbs/ 1.4 kg	3.1 lbs/ 1.4 kg	2.86 lbs/ 1.3 kg
Durability	IP65 and MIL-STD-810G certified		IP65 and MIL-STD-810G certified			IP65, MIL-STD-810G and MIL-STD-461F certified
Hazard of Electromagnetic Radiation to Ordnance (HERO) Testing	Yes	N/A	N/A	N/A	N/A	Yes
Regulatory	FCC Class B, RoHS compliant		FCC Class B, CE, RoHS compliant			
Temperature	Operation: -10°C to 50°C (14°F to 122°F)	Operation: 0°C to 50°C (32°F to 122°F)	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 * 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)	Operation: -20°C – 45°C (-4°F – 113°F, AC mode), 0°C – 45°C (32°F – 113°F, battery mode)		Operation: -10°C to 60°C (-14°F to 140°F), optional -30°C to 60°C (-22°F to 140°F)
Humidity	Storage: -20°C to 60°C (-4°F to 140°F)		Storage: -55°C – 70°C (-67°F to 158°F)		Storage: -55°C – 70°C (-67°F to 158°F)	

Major Options

Camera	8 megapixel back camera	5 megapixel back camera	2 megapixel front camera, and 8 megapixel back camera	8 megapixel back camera	8 megapixel back camera	2 megapixel front camera, and 8 megapixel back camera
3D Camera	N/A	N/A	N/A	N/A	Intel® RealSense™ Depth back camera, supports distance capture for 3D scanning, environment sensing, and background segmentation applications	
Barcode Scanner (2D)	2D barcode scanner; reads 1D also		2D scanner, reads 1D also		2D scanner, reads 1D also	
GNSS Module	U-blox M8 GNSS module			U-blox M8 GNSS module		
NFC/RFID READER	HF 13.56MHz, ISO standard 15693, 14443A(B) & 18000-3 mode-1	N/A	N/A	N/A	N/A	N/A
UHF RFID READER	865MHz – 928MHz, EPCglobal Class 1 Gen 2/ ISO 18000-6C; reach 16 feet (4.87m) read distance with integrated ThingMagic micro module and embedded antenna; reach 30 feet (9.1m) with the trigger grip antenna	N/A	N/A	N/A	N/A	865MHz – 928MHz, EPCglobal Class 1 Gen 2/ ISO 18000-6C; 16 feet (4.87m) read distance
Mobile Broadband	4G LTE/AWS	4G LTE/AWS	4G LTE/AWS	4G LTE/AWS	4G LTE/AWS	4G LTE/AWS
Long Range Bluetooth	Class 1 Bluetooth (1000 ft)	Class 1 Bluetooth (1000 ft)	N/A	Class 1 Bluetooth (1000 ft)	Class 1 Bluetooth (1000 ft)	Class 1 Bluetooth (1000 ft)

* Specifications subject to change without notice.

Rugged Tablets



Model	DT311T	DT311Y	DT313Y	DT340T
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System

CPU	Intel® Core™ i5-8250U, Quad-Core, 1.6GHz (up to 3.4GHz) Intel® Core™ i7-8550U, Quad-Core, 1.8GHz (up to 4.0GHz)	Intel® Core™ i5-8250U, Quad-Core, 1.6GHz (up to 3.4GHz) Intel® Core™ i7-8550U, Quad-Core, 1.8GHz (up to 4.0GHz) Intel® Core™ i7-10710U, Quad-Core, 1.1GHz (up to 4.7GHz)	Intel® Core™ i5-8250U, Quad-Core, 1.6GHz (up to 3.4GHz) Intel® Core™ i7-8550U, Quad-Core, 1.8GHz (up to 4.0GHz)	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 to 16GB	8GB to 32GB	8GB to 32GB	8GB to 64GB
Storage	256GB to 2TB flash	256GB to 2TB Flash	256GB to 2TB flash	256GB to 2TB flash
Operating System	Microsoft® Windows® 10 IoT Enterprise			
NIST Compliance	NIST compliant BIOS available			
Display	11.6" LED-backlight, high-brightness (800 nits) screen with capacitive touch, outdoor viewable	11.6" LED-backlight, high-brightness (1000 nits) screen with capacitive touch, outdoor viewable	13.3" LED-backlight, high-brightness (1000 nits) screen with capacitive touch, outdoor viewable	14" LED-backlight, high-brightness (1,000 nits) screen with capacitive touch, outdoor viewable
Display Resolution	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080
Fan/ Fanless	Fanless	Fanless	Fanless	Fanless
Control Switch and Buttons	1 power button, 1 trigger button, 3 programmable buttons, 1 RF switch	1 power button, 2 brightness control buttons, 5 programmable buttons	1 power button, 2 brightness control buttons, 5 programmable buttons	1 power button, 2 programmable buttons

Network Interface

WLAN	Wi-Fi 802.11ac; 2.4GHz/5GHz dual band			
Bluetooth	Bluetooth 4.2 LE	Bluetooth 4.2 LE	Bluetooth 4.2 LE	Bluetooth 4.2 LE

I/O Ports

USB Port	1 USB 3.0 and 1 USB 2.0, or can be changed to 1 USB 3.0 and 1 full size SD card slot	USB 2.0 x 1, USB 3.0 x 1, USB Type C x 1 (data transmitting and charging)	USB 3.0 x 3, USB Type C x 1 (data transmitting and charging)	USB 3.0 x 1, USB 2.0 x 2
Headset Jack	1 (3.5mm)	1 (3.5mm)	1 (3.5mm)	1 (3.5mm)
DC-in	1	N/A	N/A	1
HDMI	N/A	N/A	N/A	1
Ethernet	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: 20V DC, 3.25A	Input: 100 – 240V AC; Output: 19V DC, 6.31A
Battery Pack	Hot swappable battery, 11.4V, 5400mAh; Hot swappable battery, 11.4V, 8000mAh (optional)	Hot swappable battery, 11.4V, 5400mAh; Hot swappable battery, 11.4V, 8000mAh (optional)	Hot swappable battery, 11.4V, 5400mAh x 2; Hot swappable battery, 11.4V, 8000mAh x 2 (optional)
Enclosure	ABS + PC plastics and magnesium-aluminum alloy		
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	10.6 x 13.2 x 0.8 in/ 270 x 335 x 21 mm
Weight	3.5 lbs/ 1.6 kg	3.5 lbs/ 1.6 kg	3.97 lbs/ 1.8 kg
Durability	IP65, MIL-STD-810G and MIL-STD-461F certified		IP65 and MIL-STD-810G certified
Hazard of Electromagnetic Radiation to Ordnance Testing	Yes	Yes	N/A
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 * 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)	Operation: -10°C to 60°C (-14°F to 140°F), optional -30°C to 60°C (-22°F to 140°F)	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 * 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)
Humidity	Storage: -55°C to 70°C (-67°F to 158°F) 0% – 90% non-condensing		

Major Options

Graphic Card	N/A	N/A	N/A	Integrated graphic card, NVIDIA GeForce® GTX 1050 with 4GB VRAM
Camera	2 megapixel front camera, and 8 megapixel back camera	2 megapixel front camera, and 8 megapixel back camera; or, Intel® RealSense™ Depth back camera, supports distance capture for 3D scanning, environment sensing, and background segmentation applications	2 megapixel front camera, and 8 megapixel back camera	N/A
Barcode Scanner (2D)	2D barcode scanner; reads 1D also			N/A
I/O Port Modules	1 RS-232 port, 6-pin lockable connector included	N/A	N/A	N/A
GNSS Module	U-blox M8 GNSS module			U-blox M8 GNSS module *either with GNSS module or the graphic card
UHF RFID Reader	N/A	865MHz – 928MHz, EPCglobal Class 1 Gen 2/ ISO 18000-6C; 30 feet (9.14m) read distance	N/A	N/A
Long Range Bluetooth	N/A	Class 1 Bluetooth (1000 ft)	N/A	N/A
Mobile Broadband	4G LTE/AWS	4G LTE/AWS	4G LTE/AWS	4G LTE/AWS
Antenna	N/A	N/A	N/A	Dual pass through antennas integrated in the docking cradle

* Specifications subject to change without notice.

