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System

CPU	Intel® Pentium® Silver Quad-Core, 1.10GHz (up to 2.70GHz)	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™ i5-8250U, Quad-Core, 1.6GHz (up to 3.4GHz)
RAM	8GB	8GB to 16GB	8GB to 16GB	8GB to 16GB
Storage	256GB Flash	256GB to 512GB Flash	256GB to 512GB Flash	256GB to 512GB Flash
Operating System	Microsoft® Windows® 10 IoT Enterprise or Ubuntu			
Display	6" LED-backlight capacitive touch screen	10.1" LED-backlight, high-brightness (1000 nits) capacitive touch screen	13.3" LED-backlight, high-brightness (1000 nits) capacitive touch screen	13.3" LED-backlight screen with capacitive touch
Display Resolution	720 x 1440	1920 x 1200	1920 x 1080	1920 x 1080
NIST Compliance	NIST compliant BIOS available	NIST compliant BIOS available	NIST compliant BIOS available	NIST compliant BIOS available
Camera	8 megapixel back camera	Full-HD front camera and 8 megapixel back camera		
Control Switch and Buttons	1 power button, 2 trigger buttons	1 power button, 2 brightness control buttons, 5 programmable buttons	1 power button, 2 brightness control buttons, 5 programmable buttons	1 power button, 1 trigger button, 3 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	USB Type-C x 1 (data transmitting and charging; data transmitting only available in one insertion direction)	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	N/A	1 (3.5mm)	1 (3.5mm)	1 (3.5mm)
DC-in	N/A	N/A	N/A	1
Ethernet	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

Mechanical and Environmental

AC/DC Adapter	Input: 100-240V AC; Output: 20V DC, 3A	Input: 100-240V AC; Output: 20V DC, 3A	Input: 100 – 240V AC; Output: 19V DC, 3.42A
Battery Pack	Hot swappable battery, 4200mAh	Hot swappable battery, 5400mAh	
Enclosure	ABS + PC plastics; antimicrobial enclosure	ABS + PC plastics and magnesium-aluminum alloy; antimicrobial enclosure	
Dimensions (H x W x D)	7.6 x 3.7 x 1.2 in/ 192 x 95 x 31 mm	7.8 x 11 x 0.86 in/ 198 x 280 x 21.9 mm	10.1 x 13.2 x 0.8 in/ 256 x 335 x 21 mm
Weight	1.1 lbs/ 480 g	3.1 lbs/ 1.4 kg	3.97 lbs/ 1.8 kg
Durability	IP65 and MIL-STD-810G certified		N/A
Regulatory	FCC Class B, UL60601-1, CE, RoHS compliant		
Temperature	Operation: -10°C to 50°C (14°F to 122°F) Storage: -20°C to 60°C (-4°F to 140°F)	Operation: -10°C to 60°C (-14°F to 140°F), optional -30°C to 60°C (-22°F to 140°F)	Operation: 0°C to 40°C (32°F to 104°F)
Humidity	0% to 90% non-condensing		

Major Options

Barcode Scanner	2D scanner, reads 1D also			
NFC/RFID Reader	HF 13.56MHz, ISO standard 15693, 14443A(B) & 18000-3 mode-1. Or, dual frequency, reads both 125KHz and 13.56MHz credentials.	HF 13.56MHz, ISO standard 15693, 14443A(B) & 18000-3 mode-1	Dual frequency, reads both 125KHz and 13.56MHz credentials	N/A
Mobile Broadband	N/A	4G LTE/AWS	4G LTE/AWS	N/A

* Specifications subject to change without notice.

Accessories

- Digital Pen
- Docking Keyboard
- Desktop Charging Cradle
- Wall/Vehicle Mount Cradle
- 3-Slot Battery Holster
- Battery Gang Charger
- Battery Pack

