



Wamee Rugged 2-in-1 Tablet

Slim, Rugged, Multi-functional Wireless Computing

The Wamee Rugged Tablet range feature the integration of a high brightness capacitive touch screens and high performance, energy-efficient Intel[®] Core™ i processors within a slim, lightweight, durable package. With built-in smart card/CAC readers and Wi-Fi as well as options for front/back cameras, barcode scanner, GNSS, and 4G connection, these rugged tablets offer seamless information capture and transmission for improved workflow. Rated IP65, MIL-STD-810G and HERO certified with wide temperature range, the Wamee Rugged Tablets provide reliable operation in harsh, mission-critical environments.



Features

- 10.1", 11.6" or 13.3" high-brightness capacitive screens,
- Intel[®] 10th Generation Core™ i5/i7 processor
- Microsoft[®] Windows[®] 10 IoT Enterprise operating system
- NIST compliant BIOS available
- 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
- Built-in smart card/CAC reader
- Anti-microbial coating (DT301Y and DT311Y)
- Detachable keyboard option for 2-in-1 applications

Major Options

- Front and Back cameras
- Barcode Scanner
- UHF RFID reader
- U-blox M8N GNSS module
- 4G LTE/AWS

Specifications



SPECIFICATIONS	301Y	311Y	313Y
System			
CPU	Intel® Core™ i5-8250U, Quad-Core, 1.6GHz (up to 3.4GHz) Intel® Core™ i7-8550U, Quad Core 1.8GHz (up to 3.4GHz) Intel® Core™ i7-10710U, Hwxa- Core 1.1GHz (up to 4.7GHz)		
RAM	8GB to 32GB	8GB to 32GB	8GB to 32GB
Storage	256GB to 2TB Flash		
Operating System	Microsoft® Windows® 10 IoT Enterprise		
NIST Compliance	NIST compliant BIOS available		
Control Switch & Buttons	1 power button, 2 brightness control buttons, 5 programmable buttons	1 power button, 2 brightness control buttons, 5 programmable buttons	
Speaker & Microphone	Built-in speakers & Microphone		
Display			
Screen Size	10.1" 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
Resolution	1920 x 1080		
Luminance	Standard sunlight readable screen: 1000 nits	Standard sunlight readable screen: 1000 nits	Standard sunlight readable screen: 1000 nits
	Optional night vision screen – daylight mode: 800 nits; NVIS mode: 0 to 0.7 or 0 to 20 nits. MIL-STD-3009 Class B compliant, providing clear readability of the display with naked eyes in dark environments and does not interfere with NVGs.		
Contrast Ratio	800 (typical)		
Optical Response Time	25 msec (typical)		
Keyboard			
Keys	QWERTY, F1 to F12 function keys Keys for Windows shortcuts, media controls, screen brightness		
Backlight	Yes		
Touch Pad	Multi-touch		
Wireless Network Interface			
WLAN	Wi-Fi 802.11ac, 2.4GHz/ 5GHz dual band		
Bluetooth	Bluetooth 4.2 LE		
I/O Ports			
USB Port	USB 3.0 x 2, USB Type-C x 1 (for data transmitting, video-out, and charging)		
Ethernet	Ethernet 10/ 100/ 1000MB Base-T LAN		
COM Port	N/A	1	1
HDMI-out	1	1	1
Smart Card/CAC Reader	Full-slot, reads ISO 7816 T=0, T=1; 1.8/3/5V smart card		
Mechanical & Environmental			
AC/DC Adapter	Input: 100-240V AC; Output: 19V DC, 3.42A		
Battery Pack	Hot swappable battery, 11.4V, 5400mAh x 1 Hot swappable battery, 11.4V, 8000mAh (optional) x 1	Hot swappable battery, 11.4V, 5400mAh x 2 Hot swappable battery, 11.4V, 8000mAh (optional) x 2	
Enclosure	ABS + PC plastics and magnesium-aluminum alloy		
Dimensions (HxWxD)	39.2 x 320 x 235 mm	39.2 x 345 x 247 mm	39.2 x 376 x 265.5 mm
Weight	6.3 lbs/ 2.86 kg	7.5 lbs/ 3.4 kg	TBD
Durability	IP65, MIL-STD-810G/H and MIL-STD-461F certified		
HERO Testing	Yes	Yes	Yes
Regulatory	FCC Class B, CE, RoHS compliant		
Temperature	Operation: -10°C to 60°C (-14°F to 140°F), optional -30°C to 60°C (-22°F to 140°F) Storage: -55°C to 70°C (-67°F to 158°F)		
Humidity	0% - 90% non-condensing		