



302PA/MD Rugged Medical Tablet



Slim, Antimicrobial, ANSI/AAMI ES60601-1 Certified Tablets for Reliable Operation

The 302PA/MD AI-capable rugged medical tablet integrates a 10.1" LED-backlit, sunlight-readable touchscreen with 1,000 nits brightness and a high-performance, energy-efficient Intel® Core™ Ultra 12-core processor delivering up to 24 TOPS (INT8) of peak AI performance within a slim, durable, antimicrobial enclosure. Featuring a built-in NPU for dedicated AI acceleration, it meets the rigorous requirements of modern healthcare data management and supports demanding applications in graphics, video, voice processing, and predictive analytics. With built-in rear cameras, Wi-Fi and Bluetooth connectivity, and optional 2D barcode scanner, smart card/CAC reader, NFC/RFID reader, front camera, and other data capture modules, the 302PA/MD AI-capable rugged medical tablet streamlines the monitoring, recording, and retrieval of patient data. Hot-swappable batteries enable continuous operation during battery replacement, allowing healthcare professionals to work uninterrupted. The 302PA/MD AI-capable rugged medical tablet is ideal for hospitals, clinics, and other healthcare facilities



Features

- 10.1" LED-backlit, sunlight-readable 1000 nits touchscreen, digital pen support
- Intel® Core™ Ultra 5/7 processor
- Microsoft® Windows® 11 IoT Enterprise operating system
- NIST compliant BIOS available
- Hot-swappable battery for 24/7 operation
- Built-in microphone and speaker
- Antimicrobial coating
- Detachable keyboard option for 2-in-1 applications
- IP65-rated for water and dust resistance
- MIL-STD-810H for shock and vibration protection
- 13 MP back camera
- Quick access SSD
- CBRS for private network service support

Major Options

- 2D barcode scanner (reads 1D and 2D)
- 4G LTE
- GPS module
- 5 MP front camera
- Smart card/CAC reader
- NFC/RFID reader

* 4G module, 2D scanner and GPS cannot be built onto same device.

Specifications



Accessories

Model	302PA/MD
System	
CPU	Intel® Core™ Ultra 5 processor 225U, 12 core (up to 4.80 GHz) Intel® Core™ Ultra 7 processor 255U, 12 core (up to 5.20 GHz)
RAM	Ultra 5: 16GB LPDDR5 Ultra 7: 16GB to 32GB LPDDR5 *The memory is embedded. Alternative configurations are available by special order with MOQ.
Storage	512GB to 2TB *Support quick access SSD function to easily replace the SSD without opening the back cover.
Operating System	Microsoft® Windows® 11 IoT Enterprise
NIST Compliance	NIST compliance BIOS available
Display	10.1" LED-backlit, sunlight-readable 1000 nits touchscreen LCD
Display Resolution	1920 x 1200
Buttons	1 x power button, 2 x brightness control buttons, 5 x programmable buttons
Microphone	Built-in microphone
Speaker	Built-in 2W speaker
Camera	13 MP back camera
Network Interface	
WLAN	Wi-Fi 802.11be, 2.4/5/6 GHz three band
BT	5.4
I/O Ports	
USB Ports	1 x USB3.2 (Type-A), 1 x USB3.2 latest USB/charging
Headset Jack	1 (3.5 mm)
Ethernet Port	1 (RJ45)
DC-In Jack	1
Mechanical and Environmental	
AC/DC Adapter	Input: 100 to 240V AC; Output: 19V DC, 3.78A
Battery Pack	Hot-swappable battery (11.4V, 3800mAh) (Optional) 60W Hot-swappable battery (11.4V, 5400mAh) (Optional) 90W Hot-swappable battery (11.4V, 8000mAh)
Enclosure	ABS + PC plastic and magnesium-aluminum alloy
Dimensions (H x W x D)	7.7 x 10.71 x 0.79 in/195.6 x 272 x 20 mm
Weight	3 lbs/1.32 kg
Durability	IP65 and MIL-STD-810H certified
Regulatory	FCC/IC, CE/CB, ANSI/AAMI ES60601-1, RCM
Temperature	Operation: -10°C to 60°C (14°F to 140°F); Storage: -50°C to 70°C (-58°F to 158°F)
Humidity	0% to 90% non-condensing
Major Options	
Barcode Scanner	2D barcode scanner (reads 1D and 2D)
GNSS	GPS
Mobile Broadband	4G LTE
NFC/RFID Reader	HF 13.56 MHz, ISO 15693, 14443A(B) and 18000-3 Mode 1
Camera	5 MP front camera
Smart Card/CAC Reader	Half-slot (supports ISO 7816 T=0, T=1); 1.8V/3V/5V smart card

* Specifications subject to change without notice.

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



Slim Detachable Keyboard

Designed to connect to 302PA/MD tablet without switching and pairing.



Battery Charging Kits



Battery Pack



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