302PA/MD
Rugged Medical Tablet

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

The 302PA/MD Rugged Medical Tablet features the integration of a 10.1" LED-backlit, sunlight-readable 1,000 nits touchscreen and high-performance, energy-efficient Intel® Core™ Ultra processor within a slim, durable, antimicrobial enclosure. With built-in back cameras, Wi-Fi and BT connectivity, optional 2D barcode scanner, smart card/CAC reader, RFID reader, front camera and other data capture modules options, this medical tablet serves as an effective tool to streamline the process of monitoring, recording and retrieving patient data. The design of hot-swappable batteries enables continuous and stable operation during battery replacement, allowing healthcare professionals to work uninterrupted. 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
- Energy Star 8.0 certified

Major Options

- 2D barcode scanner (reads 1D and 2D)
- 4G LTE
- GPS module
- 5 MP front camera
- Smart card/CAC reader
- 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, 3.42A
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, Energy Star 8.0
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
RFID Reader	Dual frequency (reads 125 KHz and 13.56 MHz credentials)
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

Product Configurator

www.dtresearch.com/productconfig

www.dtresearch.com

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