DT Research

Rugged Medical Tablets
Slim, Antimicrobial, ANSI/AAMI ES60601-1 Certified for Mobile Computing Applications

Model	302MD	323MD

System

CPU	Intel® Core™ i7-1355U, 10-Core, up to 5.0 GHz Intel® Core™ i5-1335U, 10-Core, up to 4.6 GHz	Intel® Core™ i5-1335U, 10-Core, up to 4.6 GHz Intel® Core™ i7-1355U, 10-Core, up to 5.0 GHz
RAM	8GB to 32GB	8GB to 16GB
Storage	512GB to 1TB Flash *Support quick access SSD function to easily replace the SSD without opening the back cover	512GB to 1TB Flash *Support quick access SSD function to easily replace the SSD without opening the back cover
Operating System	Microsoft® Windows® 10/11 IoT Enterprise or Ubuntu	
Display	10.1" LED-backlit, High-Brightness (800 nits) Touchscreen	13.3" LED-Backlit, Sunlight Readable (1000 nits) Touchscreen
Display Resolution	1920 x 1200	1920 x 1080
NIST Compliance	NIST Compliant BIOS Available	NIST Compliant BIOS Available
Camera	8 MP Back Camera	8MP Back Camera
Control Switch and Buttons	1 x Power Button, 2 x Brightness Control Buttons, 5x Programmable Buttons	1 x Power Button; 2 x Brightness Buttons; 5 x Programmable Buttons
Microphone	Built-In Microphone	Built-In Microphone
Speaker	Built-In Speaker	Built-In Speaker

Network Interface

WLAN	Wi-Fi 802.11ax, 2.4/5 GHz Dual Band	Wi-Fi 802.11ax, 2.4/5/6 GHz Three Band

I/O Ports

USB Port	1 x USB 3.0, 1 x latest USB/charging	1 x USB 3.0, 1 x latest USB/charging
Headset Jack	1 (3.5 mm)	1 (3.5 mm)
Ethernet Port	1 (RJ45)	1 x Ethernet 10/100/1000MB Base-T LAN
HDMI-out	N/A	N/A
DC-in	1	1
Smart Card/CAC Reader	N/A	N/A

Mechanical and Environmental

AC/DC Adapter	Input: 100 to 240V AC; Output: 19V DC, 3.78A	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)	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; Antimicrobial 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	12.8 x 10.7 x 0.8 in/325 x 273.5 x 20 mm
Weight	3 lbs/1.32 kg	3.81 lbs/1.72 kg
Durability	IP65 and MIL-STD-810H Certified	IP65, MIL-STD-810H Certified
Regulatory	FCC/IC, CE/CB, ANSI/AAMI ES60601-1, RCM, Energy Star 8.0	FCC/IC, CE/CB, ANSI/AAMI ES60601-1, RCM
Temperature	Operation: -10°C to 60°C (14°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) *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)
	Storage: -50°C to 70°C (-58°F to 158°F)	Storage: -55°C to 70°C (-67°F to 158°F)
Humidity	0% to 90% Non-Condensing	

Major Options

Barcode Scanner	2D Barcode Scanner (Reads 1D & 2D)	
GNSS Module	N/A	GPS Module with Concurrent Reception of GPS and GLONASS; Industry Leading -167dBm Navigation Sensitivity
NFC/RFID Reader	Dual Frequency (Reads 125 KHz and 13.56 MHz Credentials)	Dual Frequency (Reads 125 KHz and 13.56 MHz Credentials)
Mobile Broadband	4G/5G	4G/5G
Camera	5 MP Front Camera	5 MP Front Camera

* Specifications subject to change without notice.

Model	316T/MD	373T/MD

System

CPU	Intel® Core™ i5-1335U, 10-Core, up to 4.6 GHz Intel® Core™ i7-1355U, 10-Core, up to 5.0 GHz	Intel® Core™ i5-1335U, 10-Core, up to 4.6 GHz Intel® Core™ i7-1355U, 10-Core, up to 5.0 GHz
RAM	8GB to 16GB	8GB to 32GB
Storage	512GB to 1TB Flash	512GB to 1TB Flash
Operating System		
Display	15.6" LED-Backlit Touchscreen	17" LED-Backlit Touchscreen
Display Resolution	1920 x 1080	1980 x 1080 (Optional: 3840 x 2160)
NIST Compliance	NIST Compliant BIOS Available	NIST Compliant BIOS Available
Camera	Full-HD Front Camera and 8 MP Back Camera	5MP Front and 8MP Back Camera
Control Switch and Buttons	1 x Power Button, 3 x Programmable Buttons	1 x Power Button, 3 x Programmable Buttons
Microphone	Built-In Microphone	Built-In Microphone
Speaker	Built-In Speaker	Built-In Speaker

Network Interface

WLAN	Wi-Fi 802.11ax, 2.4/5/6 GHz Three Band	Wi-Fi 802.11ax, 2.4/5/6 GHz Three Band
BT	N/A	Yes

I/O Ports

USB Port	4 x USB 3.0, 1 x latest USB/charging	6 x USB Type-A (3 at the Right Side, 1 at the Left Side, and 2 at the Bottom); 1 x latest USB/charging (Optional: Additional 3 x USB Type-A Ports at the OptionalBack Service Door)
Headset Jack	1 (3.5 mm)	1 (3.5 mm)
Ethernet Port	1 (RJ45)	1, (Optional: 1 at the Optional Back Service Door DC & RJ)
DC-in	1	(Optional: 1 at the Optional Back Service Door DC & RJ)
DC-Out	N/A	(Optional: 1 at the Optional Back Service Door DC only)
HDMI-out	N/A	N/A
Smart Card Reader	N/A	1

Mechanical and Environmental

Back Service Door	N/A	a. Back Service Door DC: Back service door with an additional set of I/O ports (3 x USB Type-A, 1 x COM port, 1 x DC-in jack, and 1 DC-out jack) *Eliminates 3 right side USB & 2 bottom USB ports b. Back Service Door RJ: Back service door with an additional set of I/O ports (3 x USB Type-A, 1 x COM port, 1 x DC-in jack, and 1 RJ45 out) *Eliminates 2 bottom USB ports
AC/DC Adapter	Input: 100 to 240V AC; Output: 18.5V DC, 3.89A	Input: 100 to 240V AC; Output: 19V DC, 6.31A 120W
Battery Pack	Hot-Swappable Battery (11.4V, 5400mAh)	Hot-Swappable Battery (11.4V, 5400mAh 60W or 8000mAh 90W)
Enclosure		
Dimensions (H x W x D)	10.2 x 15.2 x 1.04 in/259.6 x 385.2 x 26.4 mm	16.9 x 11.1 x 1.06 in/430 X 282 X 27mm
Weight	4.63 lbs/2.1 kg	4.41 lbs/2 kg
VESA-Compliant Mounting	N/A	75 x 75 mm VESA Standard
Durability	IP65-Rated Front Panel	IP65-Rated Front Panel
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)	Operation: -10°C to 50°C (-14°F to 122°F),
	Storage: -50°C to 70°C (-58°F to 158°F)	Storage: -50°C to 70°C (-58°F to 158°F)
Humidity		

Major Options

Barcode Scanner	N/A	N/A
NFC/RFID reader	Dual Frequency (Reads 125 KHz and 13.56 MHz Credentials)	N/A
Mobile Broadband	N/A	4G LTE/AWS
Back Service Door	N/A	An Additional Set of I/O Ports, Including 3 x USB Type-A, 1 x COM Port, 1 x DC-In Jack, and 1 x DC-Out Jack or 1 x RJ45 out

Accessories

▪ Docking Keyboard ▪ Wall/Vehicle Mount Cradle ▪ Slim Detachable Keyboard ▪ Handstrap with Kickstand ▪ Desktop Charging Cradle ▪ Battery Pack ▪ 3-Slot Battery Holster

▪ Digital Pen ▪ Battery Charging Kits ▪ Battery Gang Charger

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