



Model	302MD	323MD
<b>System</b>		
<b>CPU</b>	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
<b>RAM</b>	8GB to 32GB	8GB to 16GB
<b>Storage</b>	256GB to 2TB 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
<b>Operating System</b>	Microsoft® Windows® 10/11 IoT Enterprise or Ubuntu	
<b>Display</b>	10.1" LED-backlit, High-Brightness (800 nits) Touchscreen	13.3" LED-Backlit, Sunlight Readable (1000 nits) Touchscreen
<b>Display Resolution</b>	1920 x 1200	1920 x 1080
<b>NIST Compliance</b>	NIST Compliant BIOS Available	NIST Compliant BIOS Available
<b>Camera</b>	8 MP Back Camera	8MP Back Camera
<b>Control Switch and Buttons</b>	1 x Power Button, 2 x Brightness Control Buttons, 5x Programmable Buttons	1 x Power Button; 2 x Brightness Buttons; 5 x Programmable Buttons
<b>Microphone</b>	Built-In Microphone	Built-In Microphone
<b>Speaker</b>	Built-In Speaker	Built-In Speaker
<b>Network Interface</b>		
<b>WLAN</b>	Wi-Fi 802.11ax, 2.4/5 GHz Dual Band	Wi-Fi 802.11ax, 2.4/5/6 GHz Three Band
<b>I/O INTERFACE</b>		
<b>USB Port</b>	1 x USB 3.0, 1 x USB Type-C	1 x USB 3.0, 1 x USB Type-C
<b>Headset Jack</b>	1 (3.5 mm)	1 (3.5 mm)
<b>Ethernet Port</b>	1 (RJ45)	1 x Ethernet 10/100/1000MB Base-T LAN
<b>HDMI-out</b>	N/A	N/A
<b>DC-in</b>	1	1
<b>Smart Card/CAC Reader</b>	N/A	N/A
<b>Mechanical and Environmental</b>		
<b>AC/DC Adapter</b>	Input: 100-240V AC; Output: 19V DC, 3.78A	Input: 100-240V AC; Output: 19V DC, 3.78A
<b>Battery Pack</b>	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)
<b>Enclosure</b>	ABS + PC Plastic and Magnesium-Aluminum Alloy; Antimicrobial Enclosure	ABS + PC Plastic and Magnesium-Aluminum Alloy
<b>Dimensions (H x W x D)</b>	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
<b>Weight</b>	3 lbs/1.32 kg	3.81 lbs/1.72 kg
<b>Durability</b>	IP65 and MIL-STD-810H Certified	IP65, MIL-STD-810H and MIL-STD-461G Certified
<b>Regulatory</b>	FCC/IC, CE/CB, ANSI/AAMI ES60601-1, RCM, Energy Star 8.0	FCC Class B, CE, RoHS Compliant
<b>Temperature</b>	Operation: -10°C to 60°C (14°F to 140°F); Storage: -50°C to 70°C (-58°F to 158°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: -55°C to 70°C (-67°F to 158°F)
<b>Humidity</b>	0% to 90% Non-Condensing	
<b>Major Options</b>		
<b>Barcode Scanner</b>	2D Barcode Scanner (Reads 1D & 2D)	
<b>GNSS Module</b>	N/A	GPS Module with Concurrent Reception of GPS and GLONASS; Industry Leading -167dBm Navigation Sensitivity
<b>NFC/RFID Reader</b>	Dual Frequency ( Reads 125 KHz & 13.56 MHz Credentials)	Dual Frequency ( Reads 125 KHz & 13.56 MHz Credentials)
<b>Mobile Broadband</b>	4G/5G	4G/5G
<b>Camera</b>	5 MP Front Camera	5 MP Front Camera

\* Specifications subject to change without notice.



Model	313T/MD	316T/MD	373T/MD
-------	---------	---------	---------

### System

<b>CPU</b>	Intel® Core™ i5-1135G7, 4-Core, up to 4.2 GHz Intel® Core™ i7-1165G7, 4-Core, up to 4.7 GHz	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
<b>RAM</b>	8GB to 32GB	8GB to 16GB	8GB to 32GB
<b>Storage</b>	256GB to 2TB Flash	256GB to 2TB Flash	256GB to 2TB Flash
<b>Operating System</b>	Microsoft® Windows® 10/11 IoT Enterprise or Ubuntu		
<b>Display</b>	13.3" LED-backlit Touchscreen	15.6" LED-Backlit Touchscreen	17" LED-Backlit Touchscreen
<b>Display Resolution</b>	1920 x 1080	1920 x 1080	1980 x 1080 (Optional: 3840 x 2160)
<b>NIST Compliance</b>	NIST Compliant BIOS Available	NIST Compliant BIOS Available	NIST Compliant BIOS Available
<b>Camera</b>	5 MP Front Camera & 8 MP Back Camera	Full-HD Front Camera & 8 MP Back Camera	5MP Front & 8MP Back Camera
<b>Control Switch and Buttons</b>	1 x Power Button, 1 x Trigger Button, 3 x Programmable Buttons	1 x Power Button, 3 x Programmable Buttons	1 x Power Button, 3 x Programmable Buttons
<b>Microphone</b>	Built-In Microphone	Built-In Microphone	Built-In Microphone
<b>Speaker</b>	Built-In Speaker	Built-In Speaker	Built-In Speaker

### Network Interface

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

### I/O INTERFACE

<b>USB Port</b>	1 x USB 3.0, 2 x USB 2.0	USB 3.0 x 4, USB Type-C x 1	6 x USB Type-A (3 at the Right Side, 1 at the Left Side, and 2 at the Bottom); 1 x USB Type-C (Optional: Additional 3 x USB Type-A Ports at the Optional Back Service Door)
<b>Headset Jack</b>	1 (3.5 mm)	1 (3.5 mm)	1 (3.5 mm)
<b>Ethernet Port</b>	1 (RJ45)	1 (RJ45)	1, (Optional: 1 at the Optional Back Service Door DC & RJ)
<b>DC-in</b>	1	1	(Optional: 1 at the Optional Back Service Door DC & RJ)
<b>DC-Out</b>	N/A	N/A	(Optional: 1 at the Optional Back Service Door DC only)
<b>HDMI-out</b>	1	N/A	N/A
<b>Smart Card Reader</b>	N/A	N/A	1

### Mechanical and Environmental

<b>Back Service Door</b>	N/A	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
<b>AC/DC Adapter</b>	Input: 100 – 240V AC; Output: 19V DC, 3.42A	Input: 100-240V AC; Output: 18.5V DC, 3.89A	Input: 100-240V AC; Output: 19V DC, 6.31A 120W
<b>Battery Pack</b>	Hot-Swappable Battery (5400mAh)	Hot-Swappable Battery (11.4V, 5400mAh)	Hot-Swappable Battery (11.4V, 5400mAh 60W or 8000mAh 90W)
<b>Enclosure</b>	ABS + PC Plastics and Magnesium-Aluminum Alloy with Antimicrobial Enclosure		
<b>Dimensions (H x W x D)</b>	10.1 x 13.2 x 0.8 in/256 x 335 x 21 mm	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
<b>Weight</b>	3.97 lbs/1.8 kg	4.63 lbs/2.1 kg	4.41 lbs/2 kg
<b>VESA-Compliant Mounting</b>	N/A	N/A	75 x 75 mm VESA Standard
<b>Durability</b>	N/A	IP65-Rated Front Panel	IP65-Rated Front Panel
<b>Regulatory</b>	FCC/IC, CE/CB, RCM, ANSI/AAMI ES60601-1	FCC/IC, CE/CB, ANSI/AAMI ES60601-1, RCM, Energy Star 8.0	FCC/IC, CE/CB, ANSI/AAMI ES60601-1, RCM, Energy Star 8.0
<b>Temperature</b>	Operation: 0°C to 40°C (32°F to 104°F) Storage: -50°C to 70°C (-58°F ~ 158°F)	Operation: -10°C ~ 60°C (14°F to 140°F) Storage: -50°C ~ 70°C (-58°F ~ 158°F)	Operation: -10°C ~ 50°C (-14°F ~ 122°F), Storage: -50°C ~ 70°C (-58°F ~ 158°F)
<b>Humidity</b>	0% to 90% Non-Condensing		

### Major Options

<b>Barcode Scanner</b>	2D Barcode Scanner (Reads 1D & 2D)	N/A	N/A
<b>NFC/RFID reader</b>	Dual Frequency ( Reads 125 KHz & 13.56 MHz Credentials)	Dual Frequency (Reads 125 KHz & 13.56 MHz Credentials)	N/A
<b>Mobile Broadband</b>	N/A	N/A	4G LTE/AWS
<b>Back Service Door</b>	N/A	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