



Model	302PA/MD	323PA/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)	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	16 GB to 32 GB LPDDR5	16G to 32G LPDDR5
Storage	512GB to 4TB *Support quick access SSD function to easily replace the SSD without opening the back cover	512GB to 4TB flash *Support quick access SSD function to easily replace the SSD without opening the back cover
Operating System	Microsoft® Windows® 11 IoT Enterprise	
NIST BIOS	NIST compliance BIOS available	NIST compliance BIOS available
Display	10.1" LED-backlit, sunlight-readable (1000 nits)touchscreen LCD	13.3" LED-backlit, sunlight-readable (1000 nits) touchscreen
Display Resolution	1920 x 1200	1920 x 1080
Microphone	Built-in microphone	Built-in microphone
Speaker	Built-in 2 W speaker	Built-in speaker
Camera	13 MP back camera	13 MP back camera
Network Interface		
WLAN	Wi-Fi 802.11be, 2.4/5/6 GHz three band	Wi-Fi 802.11be, 2.4/5/6 GHz three band
BT	5.4	5.4
I/O Ports		
USB Ports	1 x USB3.2 (Type-A), 1 x USB3.2 latest USB/charging	1 x USB3.2 (Type-A), 1 x USB3.2 latest USB/charging
Headset Jack	1x(3.5 mm)	1x(3.5 mm)
Ethernet	1x (RJ45)	1 x Ethernet 10/100/1000MB Base-T LAN
DC-In	1	1
Control Switch and Buttons	1 x power button, 2 x brightness control buttons, 5 x programmable buttons	1 x power button, 2 x brightness control buttons, 5 x programmable buttons
Mechanical and Environmental		
AC/DC Adapter	Input: 100 to 240 V AC Output: 19 V DC, 3.42 A (65 W)	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)	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	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), Storage: -50°C to 70°C (-58°F to 158°F)	Operation*: -10°C to 60°C (14°F to 140°F) Operation*: -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)
Humidity	0% to 90% Non-condensing	
Major Options		
Barcode Scanner	2D barcode scanner (reads 1D and 2D)	
GNSS	GPS	GPS
Mobile Broadband	4G LTE / 5G	4G LTE / 5G
Camera	5 MP front camera	5 MP front camera
NFC/RFID Reader	Dual frequency (reads 125 KHz and 13.56 MHz credentials)	Dual frequency (reads 125 KHz and 13.56 MHz credentials)
Smart Card/CAC Reader	Half slot (supports ISO 7816 T=0, T=1); 1.8V/3V/5V smart card	Half slot (supports ISO 7816 T=0, T=1); 1.8V/3V/5V smart card

* Specifications subject to change without notice.



Model	302MD	323MD
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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	512GB to 1TB flash
Operating System	Microsoft® Windows® 10/11 IoT Enterprise or Ubuntu	
Display	10.1" LED-backlit, sunlight-readable (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	8 MP back camera
Control Switch and Buttons	1 x power button, 2 x brightness control buttons, 5 x programmable buttons	1 x power button, 2 x brightness control 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, 2.4/5/6 GHz dual band	Wi-Fi 802.11ax, 2.4/5/6 GHz three band
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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	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, usage temperature range is -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 and 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
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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 2TB flash
Operating System	Microsoft® Windows® 10/11 IoT Enterprise or Ubuntu	
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	5 MP front and 8 MP 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 right side, 1 left side, 2 bottom); 1 x latest USB/charging (Optional: additional 3 x USB Type A ports at the optional back service door)
Headset Jack	1 (3.5 mm)	1 (3.5 mm)
Ethernet Port	1 (RJ45)	1, (Optional: 1 at optional back service door DC and RJ)
DC-in	1	(Optional: 1 at optional back service door DC and RJ)
DC-Out	N/A	(Optional: 1 at 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 additional 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 and 2 bottom USB ports b. Back service door RJ: back service door with an additional 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	ABS + PC plastics and magnesium-aluminum alloy with anti-microbial coating	
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	0% to 90% Non-condensing	

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	Additional set of I/O ports, including 3 x USB Type A, 1 x COM port, 1 x DC-in jack, 1 x DC-Out jack or 1 x RJ45 out

Accessories



• 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