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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)	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.	Ultra 5: 16GB LPDDR5 Ultra 7: 16GB to 32GB LPDDR5 * The memory is embedded. Alternative configurations are available by special order with MOQ.	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.	512GB to 2TB *Support quick access SSD function to easily replace the SSD without opening the back cover.	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	Microsoft® Windows® 11 IoT Enterprise	Microsoft® Windows® 11 IoT Enterprise
NIST Compliance	NIST compliant BIOS available		NIST compliant BIOS available
Display	10.1" LED-backlit, sunlight-readable 1000 nits touchscreen	11.6" LED-backlit, sunlight-readable 1000 nits touchscreen	13.3" LED-backlit, sunlight-readable 1000 nits touchscreen
Display Resolution	1920 x 1200	1920 x 1080	1920 x 1080
Fan/Fanless	Fanless	Fanless	Fanless
Buttons	1 x power button, 2 x brightness buttons, 5 x programmable buttons	1 x power button, 2 x brightness buttons, 5 x programmable buttons	1 x power button, 2 x brightness buttons, 5 x programmable buttons
Microphone	Built-in microphone	Built-in microphone with DSP for real-time video streaming	Built-in microphone
Speaker	Built-in 2W speaker	Built-in speaker	Built-in speaker
Camera	5 MP front camera and 13 MP back camera (optional)	5 MP front camera and 13 MP back camera (optional)	5 MP front camera and 13 MP back camera (optional)

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	Wi-Fi 802.11ax, 2.4/5/6 GHz three band
BT	5.3	5.3	5.3

I/O Ports

USB Port	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	1 x USB 3.0, 1 x latest USB/charging
Headset Jack	1 (3.5 mm)	1 (3.5 mm)	1 (3.5 mm)
DC-in Jack	1	1	1
Ethernet	1 x Ethernet 10/100/1000MB Base-T LAN	1 x Ethernet 10/100/1000MB Base-T LAN	1 x Ethernet 10/100/1000MB Base-T LAN
24-pin Fischer Minimax Connector (optional)	1 x USB2.0, COM port, RJ45, Power 5A (in), and Power 2A (out) (optional)	1 x USB2.0, COM port, RJ45, Power 5A (in), and Power 2A (out) (optional)	N/A

Mechanical and Environmental

AC/DC Adapter	Input: 100 to 240V AC; Output: 19V DC, 3.42A (65W)	Input: 100 to 240V AC; Output: 19V DC, 3.42A (65W)	Input: 100 to 240V AC; Output: 19V DC, 3.42A
Battery Pack	43W Hot-swappable battery (11.4V, 3800mAh) (Optional) 60W Hot-swappable battery (11.4V, 5400mAh) (Optional) 90W Hot-swappable battery, (11.4V, 8000mAh)	43W Hot-swappable battery (11.4V, 3800mAh) (Optional) 60W Hot-swappable battery (11.4V, 5400mAh) (Optional) 90W Hot-swappable battery, (11.4V, 8000mAh)	43W 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 plastics and magnesium-aluminum alloy with anti-microbial coating	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	8.3 x 12.4 x 0.78 in/212 x 316 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	3.43 lbs/1.55 kg	3.81 lbs/1.72 kg
Durability	IP65, MIL-STD-810H and MIL-STD-461G certified	IP65, MIL-STD-810H and MIL-STD-461G certified	IP65, MIL-STD-810H certified
Hazard of Electromagnetic Radiation to Ordnance (HERO) Testing	Yes	Yes	Yes
Regulatory	CE, FCC Class B, IC, CB, RCM, IEC 60601-1, IEC62680, EPEAT, Energy star 8.0	CE, FCC Class B, IC, CB, RCM, IEC 60601-1, IEC62680, EPEAT, Energy star 8.0	FCC Class B, CE, RoHS compliant
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) Storage: -50°C to 70°C (-58°F to 158°F)	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	0% to 90% non-condensing	0% to 90% non-condensing

Major Options

Camera	5 MP front camera and 13 MP back camera	5 MP front camera and 13 MP back camera	5 MP front camera and 8 MP back camera
Barcode Scanner	2D barcode scanner (reads 1D and 2D)	2D barcode scanner (reads 1D and 2D)	2D barcode scanner (reads 1D and 2D)
GNSS	GPS	GPS	GPS
Mobile Broadband	4G LTE	4G LTE/5G	4G LTE/5G
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	Half slot (supports ISO 7816 T=0, T=1); 1.8V/3V/5V smart card

* Specifications subject to change without notice.



Model	DT302RP	DT312RP	DT323RP
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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	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	8GB
Storage	512GB to 2TB flash *Support quick access SSD function to easily replace the SSD without opening the back cover.	512GB to 2TB flash *Support quick access SSD function to easily replace the SSD without opening the back cover.	512GB to 2TB flash *Support quick access SSD function to easily replace the SSD without opening the back cover.
Operating System	Microsoft® Windows® 10/11 IoT Enterprise	Microsoft® Windows® 11 IoT Enterprise	Microsoft® Windows® 11 IoT Enterprise
NIST Compliance	NIST compliant BIOS available		
Display	10.1" LED-backlit, sunlight-readable 800 nits touchscreen LCD	11.6" LED-backlit, sunlight-readable 1000 nits touchscreen	13.3" LED-backlit, sunlight-readable 1000 nits touchscreen
Display Resolution	1920 x 1200	1920 x 1200	1920 x 1080
Fan/Fanless	Fanless	Fanless	Fanless
Buttons	1 x power button, 2 x brightness buttons, 5 x programmable buttons	1 x power button, 2 x brightness buttons, 5 x programmable buttons	1 x power button; 2 x brightness buttons; 5 x programmable buttons
Microphone	Built-in microphone	Built-in microphone with DSP for real-time video streaming	Built-in microphone
Speaker	Built-in speaker	Built-in speaker	Built-in speaker
Camera	5 MP front camera and 8 MP back camera (options)	5 MP front camera and 8 MP back camera (options)	5 MP front camera and 8 MP back camera (options)

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	Wi-Fi 802.11ax, 2.4/5/6 GHz three band
BT	5.2	5.2	5.3

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	1 x USB 3.0, 1 x latest USB/charging
Headset Jack	1 (3.5 mm)	1 (3.5 mm)	1 (3.5 mm)
DC-in Jack	1	1	1
Ethernet	1 x Ethernet 10/100/1000MB Base-T LAN	1 x Ethernet 10/100/1000MB Base-T LAN	1 x Ethernet 10/100/1000MB Base-T LAN
SD Slot	1 x microSD card slot	N/A	N/A

Mechanical and Environmental

AC/DC Adapter	Input: 100 to 240V AC; Output: 19V DC, 3.42A	Input: 100 to 240V AC; Output: 19V DC, 3.42A	Input: 100 to 240V AC; Output: 19V DC, 3.42A
Battery Pack	43W Hot-swappable battery (11.4V, 3800mAh) (Optional) 60W Hot-swappable battery (11.4V, 5400mAh) (Optional) 90W Hot-swappable battery (11.4V, 8000mAh)	43W Hot-swappable battery (11.4V, 3800mAh) (Optional) 60W Hot-swappable battery (11.4V, 5400mAh) (Optional) 90W Hot-swappable battery (11.4V, 8000mAh)	43W 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	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	8.3 x 12.4 x 0.78 in/212 x 316 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	3.43 lbs/1.55 kg	3.81 lbs/1.72 kg
Durability	IP65, MIL-STD-810H and MIL-STD-461G certified	IP65, MIL-STD-810H and MIL-STD-461G certified	IP65, MIL-STD-810H certified
Hazard of Electromagnetic Radiation to Ordnance (HERO) Testing	Yes	Yes	Yes
Regulatory	CE, FCC Class B, RoHS, Energy Star 8.0 compliant	FCC Class B, CE, RoHS compliant	FCC Class B, CE, RoHS compliant
Temperature	Operation: -10°C to 60°C (14°F to 140°F); *For battery optimal functionality and performance, the recommended usage temperature range is from 0°C to 50°C (32°F to 122°F) *When use DT302 with AC power adapter, to comply with safety regulation, the recommended usage temperature is from 0°C to 40°C	Operation*: -10°C to 60°C (14°F to 140°F) Optional: -30°C to 60°C (-22°F to 140°F) with a built-in heating element. *For battery optimal functionality and performance, the recommended usage temperature range is from 0°C to 50°C (32°F to 122°F)	Operation*: -10°C to 60°C (14°F to 140°F) Optional: -30°C to 60°C (-22°F to 140°F) with a built-in heating element. *For battery optimal functionality and performance, the recommended usage temperature range is from 0°C to 50°C (32°F to 122°F)
Humidity	Storage: -50°C to 70°C (-58°F to 158°F) 0% to 90% non-condensing	Storage: -50°C to 70°C (-58°F to 158°F) 0% to 90% non-condensing	Storage: -55°C to 70°C (-67°F to 158°F) 0% to 90% non-condensing

Major Options

Camera	5 MP front camera and 8 MP back camera	5 MP front camera and 8 MP back camera	5 MP front camera and 8 MP back camera
Barcode Scanner	2D barcode scanner (reads 1D and 2D)	2D barcode scanner (reads 1D and 2D)	2D barcode scanner (reads 1D and 2D)
GNSS	U-blox M9N GNSS module	U-blox M9N GNSS module	GPS module with concurrent reception of GPS and GLONASS; Industry leading - 167dBm navigation sensitivity
Mobile Broadband	4G LTE	4G LTE	4G LTE/5G
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	Half slot (supports ISO 7816 T=0, T=1); 1.8V/3V/5V smart card

* Specifications subject to change without notice.

Rugged Tablets



Model	DT301YR	DT311YR
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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	
RAM	8GB to 32GB	
Storage	512GB to 2TB flash	512GB to 2TB flash *Support quick access SSD function to easily replace the SSD without opening the back cover
Operating System	Microsoft® Windows® 10/11 IoT Enterprise	
NIST Compliance	NIST compliant BIOS available	
Display	10.1" LED-backlit, high-brightness 1000 nits touchscreen	11.6" LED-backlit, high-brightness 1000 nits touchscreen
Display Resolution	1920 x 1200	1920 x 1080
Fan/Fanless	Fanless	
Smart card/CAC Reader	Full-slot, reads ISO 7816 T=0, T=1; 1.8/3/5V smart card	
Buttons	1 x power button; 2 x brightness buttons; 5 x programmable buttons	
Microphone	Built-in microphone	
Speaker	Built-in speaker	

Network Interface

WLAN	Wi-Fi 802.11ax, 2.4/5 GHz dual band
BT	5.2

I/O Ports

USB Port	1 x USB 3.0, 1 x latest USB/charging
Headset Jack	1 (3.5 mm)
DC-in Jack	1
Ethernet	1 x Ethernet 10/100/1000MB Base-T LAN

Mechanical and Environmental

AC/DC Adapter	Input: 100 to 240V AC; Output: 19V DC, 3.42A	Input: 100 to 240V AC; Output: 20V DC, 3.25A
Battery Pack	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)	7.8 x 11 x 0.86 in/198 x 280 x 21.9 mm	8.3 x 12.4 x 0.86 in/212 x 316 x 21.9 mm
Weight	3.1 lbs/1.4 kg	3.5 lbs/1.6 kg
Durability	IP65, MIL-STD-810H and MIL-STD-461G certified, Class 1, Division 2	
Hazard of Electromagnetic Radiation to Ordnance (HERO) Testing	Yes	Yes
Regulatory	FCC Class B, CE, RoHS, Energy Star 8.0 compliant	
Temperature	Operation: -10°C to 60°C (14°F to 140°F) Optional: -30°C to 60°C (-22°F to 140°F) with a built-in heating element. *For battery optimal functionality and performance, the recommended usage temperature range is from 0°C to 50°C (32°F to 122°F)	
	Storage: -50°C to 70°C (-58°F to 158°F)	
Humidity	0% to 90% non-condensing	

Major Options

Camera	2 MP front camera and 8 MP back camera
Barcode Scanner	2D barcode scanner (reads 1D and 2D)
GNSS	GPS
UHF RFID Reader	865 to 928MHz, EPCglobal Class 1 Gen 2/ISO 18000-6C; 30 ft (9.14m) reading distance
Mobile Broadband	4G LTE/AWS
Long Range BT	Class 1 BT (1000 ft)

* Specifications subject to change without notice.



CALL: 866.724.6257 EMAIL: SALES@GLACIERCOMPUTER.COM VISIT: GLACIERCOMPUTER.COM