







# Mobile Rugged Tablet



## Rugged, Multi-functional Wireless Computing

### Specifications

							
Model	DT307SQ	DT307SC	DT317BT	DT311C	DT311H	DT313C	DT313H
<b>System</b>							
CPU	Quad Core, 1.4GHz	ARM 800MHz	Intel® Atom™ Quad Core, 1.33GHz (up to 2.16GHz)	Intel® Celeron®, 1.5GHz	Intel® 5 <sup>th</sup> Generation Core™ i5 or i7 processor	Intel® Celeron®, 1.4GHz	Intel® Core™ i7, 2.4GHz (4M Cache, up to 3.0GHz)
RAM	1GB	512MB	2GB	4GB	8GB to 16GB	4GB to 16GB	4GB to 16GB
Storage	8GB Flash	4GB Flash	64GB	64GB to 256GB Flash	128GB to 512GB Flash	64GB to 512GB Flash	64GB to 512GB Flash
Operating System	Android 4.2	Microsoft® Windows® CE 6.0 or Windows® Mobile 6.X	Microsoft® Windows® 10 IoT Enterprise	Microsoft® Windows® Embedded Standard 7, 7 Professional or Windows® 10 IoT Enterprise	Microsoft® Windows® 7 Professional or Windows® 10 IoT Enterprise	Microsoft® Windows® 7 Professional or Windows® 10 IoT Enterprise	
Display	7" LED-backlight screen with capacitive touch			11.6" LED-backlight screen with capacitive touch		13.3" LED-backlight screen with capacitive touch	
Display Resolution	1024 x 600	800 x 480	1280 x 800	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080
TPM	N/A	N/A	N/A	Yes, TPM 2.0 support	Yes, TPM 2.0 support	Yes, TPM 1.2 support	Yes, TPM 1.2 support
Fan/ Fanless	Fanless	Fanless	Fanless	Fan	Fan	Fan	Fan
Control Switch and Buttons	1 power button and 1 trigger button			1 power button, 3 programmable buttons and 1 RF switch		1 power button, 1 programmable button and 1 Wi-Fi switch	
Indicator	1 power/ battery status LED, 1 WLAN active LED and 1 MSR indicator		1 power/ battery status LED	1 power/ battery status LED		1 power/ battery status LED	
Microphone	Built-in microphone	Built-in microphone	Built-in microphone	Built-in microphone with DSP for video conference call		Built-in microphone with DSP for video conference call	
Speaker	Built-in speaker	Built-in speaker	Built-in speaker	Built-in speaker		Built-in speaker	
<b>Network Interface</b>							
WLAN	Wi-Fi 802.11a/b/g/n	Wi-Fi 802.11a/b/g/n	Wi-Fi 802.11a/b/g/n	Wi-Fi 802.11ac, 2.4GHz/ 5GHz dual band		Wi-Fi 802.11ac, 2.4GHz/ 5GHz dual band	
Bluetooth	Bluetooth 4.0 HS	Bluetooth 2.1	Bluetooth 4.0 HS	Bluetooth 4.0 LE	Bluetooth 4.0 LE	Bluetooth 4.0 LE	
Mobile Broadband	3G WWAN (optional)	N/A	N/A	3G WWAN or 4G LTE/AWS (optional)	4G LTE/AWS (optional)	3G WWAN or 4G LTE/AWS (optional)	3G WWAN or 4G LTE/AWS (optional)
<b>I/O Ports</b>							
USB Port	1 USB 2.0, 1 mini USB (with OTG function)	1 USB 2.0, 1 mini USB	1 USB 2.0	1 USB 3.0	1 USB 3.0	1 USB 3.0	1 USB 3.0
Headset Jack	1 (2.5mm)	1 (2.5mm)	1	1	1	2	2
DC-in	1	1	1	1	1	1	1
Smart Card Reader	N/A	N/A	N/A	Full slot, reads ISO 7816 T=0, T=1; 1.8/3/5V smart card		Full slot, reads ISO 7816 T=0, T=1; 1.8/3/5V smart card	
SD Slot	1 Micro-SD card slot	1 Micro-SD card slot	N/A	N/A	N/A	1 full size SD card slot	
<b>Mechanical and Environmental</b>							
AC/DC Adapter	Input: 100 – 240V AC; Output: 5V DC, 3A			Input: 100 – 240V AC; Output: 19V DC, 3.42A		Input: 100 – 240V AC; Output: 19V DC, 3.42A	
Battery Pack	Replaceable rechargeable Li-ion battery, 3.7V, 4000mAh			7.2V, 6150mAh (hot-swappable)		Internal 14.8V, 1880mAh/ Optional: External 14.8V, 1850mAh	
Enclosure	ABS + PC plastics			ABS + PC plastics and magnesium-aluminum alloy		ABS + PC plastics	
Stylus	Capacitive touch stylus			Capacitive touch stylus		Capacitive touch stylus	
Protective Bumpers	Rubber with handstrap (units with MSR have handstrap only)		Rubber grips with handstrap	Rubber bumpers on each corner for handling protection			
Dimensions (H x W x D)	5.24 x 8.75 x 0.7 in/ 133 x 210 x 18 mm			8.2 x 12.3 x 0.86 in/ 208.2 x 312.3 x 22 mm		8.5 x 13.5 x 0.75 in/ 216 x 344 x 18.9 mm	
Weight	1.1 lbs/ 0.5 kg		1.1 lbs/ 0.5 kg	3.6 lbs/ 1.6 kg		3.15 lbs/ 1.43 kg	
IP Rating	N/A	N/A	N/A	IP65	IP65	IP54 front panel	
MIL-STD-810G	N/A	N/A	N/A	Drop, shock and vibration		N/A	N/A
EMI and EMC Tolerance	N/A	N/A	N/A	MIL-STD-461F	MIL-STD-461F	N/A	N/A
Hazard of Electromagnetic Radiation to Ordnance Testing	N/A	N/A	N/A	Yes	Yes	N/A	N/A
Regulatory	FCC Class B, CE, RoHS compliant						
Temperature	Operation: 0°C – 50°C; Storage: -20°C – 60°C	Operation: 0°C – 40°C; Storage: -20°C – 60°C		Operation: -20°C to 60°C; Storage: -55°C to 70°C		Operation: 0°C – 40°C; Storage: -20°C – 60°C	
Humidity	0% – 90% non-condensing						
<b>Major Options</b>							
MSR	Triple track readers (ISO TK1, 2 & 3), JIS & AAMVA compliant			N/A	N/A	N/A	
Barcode Scanner	2D barcode scanner; reads 1D also			2D barcode scanner; reads 1D also		N/A	
Camera	5 megapixel back camera with LED flash	3 megapixel back camera with LED flash	N/A	2 megapixel front camera and 5 megapixel back camera with LED flash			
NFC/RFID Reader	HF 13.56MHz, ISO standard 15693, 14443A(B) & 18000-3 mode-1			HF 13.56MHz, ISO standard 15693, 14443A(B) & 18000-3 mode-1		N/A	N/A
Long Range Bluetooth	N/A	N/A	N/A	Class 1 Bluetooth (1000 ft.)	Class 1 Bluetooth (1000 ft.)	N/A	N/A
GNSS Module	N/A	N/A	N/A	U-blox M8 GNSS module with concurrent reception of GPS and GLONASS. Industry leading -167dBm navigation sensitivity.		N/A	N/A

\* Specifications subject to change without notice.

# Specifications

					
Model	<b>DT315BT</b>	<b>DT365</b>	<b>DT391UF</b>	<b>DT395BT</b>	<b>DT398B/DT398B-C</b>
<b>System</b>					
<b>CPU</b>	Intel® Celeron®, 1.58GHz	Intel® Atom™ Dual Core, 1.86GHz	Intel® Celeron® Dual Core, 1.58GHz (up to 2.17GHz)		Intel® Core™ i7, 1.7GHz
<b>RAM</b>	4GB	4GB	4GB	4GB	4GB to 8GB
<b>Storage</b>	64GB to 256GB Flash	32GB to 256GB Flash	64GB to 256GB Flash	64GB to 256GB Flash	64GB to 512GB Flash
<b>Operating System</b>	Microsoft® Windows® 7 Professional or Windows® 10 IoT Enterprise	Microsoft® Windows® Embedded Standard 7, 7 Professional or Linux	Microsoft® Windows® 7 Professional	Microsoft® Windows® Embedded Standard 7, 7 Professional or Linux	Microsoft® Windows® Embedded Standard 7, Windows® 7 Professional, or Linux
<b>Display</b>	9.7" LED-backlight screen with capacitive touch; anti-reflection outdoor viewable	8.4" LED-backlight screen with capacitive touch; anti-reflection outdoor viewable	9" LED-backlight screen with capacitive touch; anti-reflection outdoor viewable		9.7" LED-backlight sunlight readable screen with resistive touch, or outdoor display with capacitive touch
<b>Display Resolution</b>	1024 x 768	800 x 600	1024 x 600	1024 x 600	1024 x 768
<b>TPM</b>	Yes, TPM 1.2 support	Yes, TPM 1.2 support	Yes, TPM 1.2 support	Yes, TPM 1.2 support	Yes, TPM 1.2 support
<b>Fan/ Fanless</b>	Fanless	Fanless	Fanless	Fanless	Fan
<b>Control Switch and Buttons</b>	1 power button and 2 trigger buttons	1 power button and 1 trigger button	1 power button	1 power button, 1 trigger button and 1 Wi-Fi switch	1 power button, 3 side buttons, 1 trigger button and 1 Wi-Fi switch
<b>Indicator</b>	1 power/ battery status LED and 1 WLAN active LED	1 power/ battery status LED and 1 WLAN active LED			1 power/ battery status LED and 1 WLAN active LED
<b>Microphone</b>	Built-in microphone	N/A	Built-in microphone	Built-in microphone	Built-in microphone
<b>Speaker</b>	Built-in speaker	Built-in speaker	Built-in speaker	Built-in speaker	Built-in speaker
<b>Sensor</b>	Built-in gyroscope sensor, e-compass sensor, and 3-axis accelerometer	N/A	Built-in gyroscope sensor, e-compass sensor, pressure sensor and 3-axis accelerometer		N/A
<b>Network Interface</b>					
<b>WLAN</b>	Wi-Fi 802.11ac, 2.4GHz/ 5GHz dual band	Wi-Fi 802.11a/b/g/n	Wi-Fi 802.11ac; 2.4GHz/ 5GHz dual band	Wi-Fi 802.11ac; 2.4GHz/ 5GHz dual band	Wi-Fi 802.11a/b/g/n
<b>Bluetooth</b>	Bluetooth 4.0 LE	Bluetooth 3.0+HS	Bluetooth 4.0 LE	Bluetooth 4.0 LE	Bluetooth 3.0+HS
<b>Mobile Broadband</b>	3G WWAN (optional)	3G WWAN (optional)	3G WWAN (optional)	3G WWAN (optional)	3G WWAN (optional)
<b>I/O Ports</b>					
<b>USB Port</b>	1 USB 3.0	1 USB 2.0	2 USB 3.0	1 USB 2.0	1 eSATA USB hybrid port
<b>Headset Jack</b>	1	1	1	1	1
<b>DC-in</b>	1	1	1	1	1
<b>Smart Card Reader</b>	N/A	N/A	N/A	Half-slot, reads ISO 7816 T=0, T=1; 1.8/3/5V smart card (optional)	Full-slot, reads ISO 7816 T=0, T=1; 1.8/3/5V smart card
<b>SD Slot</b>	1 full size SD card slot	1 full size SD card slot	1 Micro-SD card slot	1 full size SD card slot	1 full size SD card slot
<b>Mechanical and Environmental</b>					
<b>AC/DC Adapter</b>	<b>Input:</b> 100 – 240V AC; <b>Output:</b> 12V DC, 3.5A		<b>Input:</b> 100 – 240V AC; <b>Output:</b> 19V DC, 3.42A		<b>Input:</b> 100 – 240V AC; <b>Output:</b> 19V DC, 3.42A
<b>Battery Pack</b>	Internal 7.4V, 3760mAh/ Optional: External 7.4V, 3760mAh		Internal 7.4V, 3760mAh/Optional: 8800mAh	Internal 7.4V, 3760mAh/ Optional: External 7.4V, 3760mAh	Internal 14.8V, 1880mAh/ Optional: External 14.8V, 1850mAh
<b>Enclosure</b>	ABS + PC plastics and magnesium-aluminum alloy		ABS + PC plastics		ABS + PC plastics
<b>Stylus</b>	capacitive touch stylus	capacitive touch stylus	capacitive touch stylus	capacitive touch stylus	DT398B: non-electronic tip DT398B-C: capacitive touch stylus
<b>Protective Bumpers</b>	Rubber grips with handstrap	Rubber grips with handstrap	Rubber bumpers on each corner with handstrap for handling protection		
<b>Dimensions (H x W x D)</b>	8.3 x 10.2 x 0.8 in/ 211.5 x 260 x 20.3 mm	9.4 x 7.9 x 1.4 in/ 240 x 200.5 x 35 mm	9.69 x 7.32 x 1.5 in/ 246 x 186 x 38.2 mm	7.7 x 10 x 1.3 in/ 196 x 256 x 33.5mm	8.7 x 10.4 x 1 in/ 220 x 263 x 25.4 mm
<b>Weight</b>	2.69 lbs/ 1.22 kg	2.43 lbs/ 1.1 kg	2.56 lbs/ 1.16 kg	2.43 lbs/ 1.1 kg	3.1 lbs/ 1.4 kg
<b>Water and Dust Resistance</b>	IP52 front panel	N/A	IP65	IP65	IP65
<b>MIL-STD-810G</b>	Drop shock and vibration protection			Drop shock and vibration protection & explosive atmosphere certified	
<b>EMI and EMC Tolerance</b>	N/A	N/A	N/A	MIL-STD-461F	MIL-STD-461F
<b>Regulatory</b>	FCC Class B, CE, RoHS compliant				
<b>Temperature</b>	<b>Operation:</b> 0°C – 40°C; <b>Storage:</b> -20°C – 60°C		<b>Operation:</b> -10°C – 50°C; <b>Storage:</b> -20°C – 60°C	<b>Operation:</b> -10°C – 40°C; <b>Storage:</b> -20°C – 60°C	<b>Operation:</b> 0°C – 40°C (Upgrade option: -20°C – 50°C); <b>Storage:</b> -20°C – 60°C
<b>Humidity</b>	0% – 90% non-condensing				
<b>Major Options</b>					
<b>MSR</b>	Triple track readers (ISO TK1, 2 & 3), JIS & AAMVA compliant		N/A	N/A	N/A
<b>Barcode Scanner</b>	2D barcode scanner; reads 1D also		N/A	2D barcode scanner; reads 1D also	
<b>Camera</b>	5 megapixel back camera with LED flash, auto focus, white balance, gain control and exposure control				2 megapixel front camera and 5 megapixel back camera with LED flash
<b>RFID Reader</b>	N/A	HF 13.56MHz, ISO standard 15693, 14443A(B) & 18000-3 mode-1	Integrated UHF RFID Reader: 917.1 to 923.3 MHz, complies with ISO 18000-6c/ EPC global Gen II	N/A	HF 13.56MHz, ISO standard 15693, 14443A(B) & 18000-3 mode-1

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