













Specifications

							
Model	DT307SQ	DT307SC	DT317BT	DT311C	DT311H	DT313C	DT313H
System							
CPU	Quad Core, 1.4GHz	ARM 800MHz	Intel® Atom™ Quad Core, 1.33GHz (up to 2.16GHz)	Intel® Celeron®, 1.5GHz	Intel® 5 th 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	
Network Interface							
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)
I/O Ports							
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	
Mechanical and Environmental							
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						
Major Options							
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		HF 13.56MHz, ISO standard 15693, 14443A(B) & 18000-3 mode-1	
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	DT315BT	DT365	DT391UF	DT395BT	DT398B/DT398B-C
System					
CPU	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
RAM	4GB	4GB	4GB	4GB	4GB to 8GB
Storage	64GB to 256GB Flash	32GB to 256GB Flash	64GB to 256GB Flash	64GB to 256GB Flash	64GB to 512GB Flash
Operating System	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
Display	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
Display Resolution	1024 x 768	800 x 600	1024 x 600	1024 x 600	1024 x 768
TPM	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
Fan/ Fanless	Fanless	Fanless	Fanless	Fanless	Fan
Control Switch and Buttons	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
Indicator	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
Microphone	Built-in microphone	N/A	Built-in microphone	Built-in microphone	Built-in microphone
Speaker	Built-in speaker	Built-in speaker	Built-in speaker	Built-in speaker	Built-in speaker
Sensor	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
Network Interface					
WLAN	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
Bluetooth	Bluetooth 4.0 LE	Bluetooth 3.0+HS	Bluetooth 4.0 LE	Bluetooth 4.0 LE	Bluetooth 3.0+HS
Mobile Broadband	3G WWAN (optional)	3G WWAN (optional)	3G WWAN (optional)	3G WWAN (optional)	3G WWAN (optional)
I/O Ports					
USB Port	1 USB 3.0	1 USB 2.0	2 USB 3.0	1 USB 2.0	1 eSATA USB hybrid port
Headset Jack	1	1	1	1	1
DC-in	1	1	1	1	1
Smart Card Reader	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
SD Slot	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
Mechanical and Environmental					
AC/DC Adapter	Input: 100 – 240V AC; Output: 12V DC, 3.5A		Input: 100 – 240V AC; Output: 19V DC, 3.42A		Input: 100 – 240V AC; Output: 19V DC, 3.42A
Battery Pack	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
Enclosure	ABS + PC plastics and magnesium-aluminum alloy		ABS + PC plastics		ABS + PC plastics
Stylus	capacitive touch stylus	capacitive touch stylus	capacitive touch stylus	capacitive touch stylus	DT398B: non-electronic tip DT398B-C: capacitive touch stylus
Protective Bumpers	Rubber grips with handstrap	Rubber grips with handstrap	Rubber bumpers on each corner with handstrap for handling protection		
Dimensions (H x W x D)	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
Weight	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
Water and Dust Resistance	IP52 front panel	N/A	IP65	IP65	IP65
MIL-STD-810G	Drop shock and vibration protection			Drop shock and vibration protection & explosive atmosphere certified	
EMI and EMC Tolerance	N/A	N/A	N/A	MIL-STD-461F	MIL-STD-461F
Regulatory	FCC Class B, CE, RoHS compliant				
Temperature	Operation: 0°C – 40°C; Storage: -20°C – 60°C		Operation: -10°C – 50°C; Storage: -20°C – 60°C	Operation: -10°C – 40°C; Storage: -20°C – 60°C	Operation: 0°C – 40°C (Upgrade option: -20°C – 50°C); Storage: -20°C – 60°C
Humidity	0% – 90% non-condensing				
Major Options					
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		N/A	2D barcode scanner; reads 1D also	
Camera	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
RFID Reader	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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