

Medical Tablets

Ruggedized Digital Tablets for Point-of-Care Applications



The DT Research Medical Tablets feature the integration of brilliant 9.7" and 13.3" touch screens, high performance as well as energy efficient Intel® processors and smart card readers in slim, durable, bacteria-resistant packages. With options for fully integrated MSR, barcode scanner, RFID reader and camera modules, these tablets offer health professionals effective tools to monitor, record and retrieve patient information. The built-in Wi-Fi, Bluetooth and optional mobile broadband connection also make data access efficient and optimizes staff workflow.



Features





- Intel® Atom™, Celeron® or 5th Generation Core™ i processor
- 9.7" or 13.3" LED-backlight screen with capacitive touch
- Built-in full-slot smart card reader
- UL60601-1 certified
- Anti-microbial enclosure
- TPM (Trusted Platform Module) 1.2 or 2.0 support
- Optional 3G WWAN or 4G LTE
- Optional camera, RFID reader, magnetic stripe reader and 2D barcode scanner
- Optional Intel® RealSense™ front camera for DT313H-MD. Supports gesture, facial expression, and speech recognition* to save unlock time and enhance system security. It also provides 3D scanning, environment sensing and background segmentation

* The feature is only allowed with Windows® Hello biometric security system in Windows® 10 operating system

Applications

- Hospital
- Medical Office
- Health Field Services
- Emergency Services
- Patient Surveys
- Public Safety

Specifications

				
Model	DT313C-MD	DT313H-MD	DT315BT-MD	DT315CR-MD
System				
CPU	Intel® Celeron® processor	Intel® 5 th Generation Core™ i5 or i7 processor	Intel® Celeron® processor	Intel® Atom™ Quad Core, 1.44GHz (up to 1.84GHz)
RAM	4GB to 16GB	4GB to 16GB	4GB	4GB
Storage	64GB to 512GB Flash	64GB to 512GB Flash	64GB to 256GB Flash	64GB Flash
Operating System	Microsoft® Windows® 7 Professional or Windows® 10 IoT Enterprise			Microsoft® Windows® 10 IoT Enterprise
Display	13.3" LED-backlight screen with capacitive touch		9.7" LED-backlight screen with capacitive touch; anti-reflection outdoor viewable	
Display Resolution	1920 x 1080	1920 x 1080 2560 x 1440 (optional)	1024 x 768	1024 x 768
TPM	Yes, TPM 2.0 support	Yes, TPM 2.0 support	Yes, TPM 1.2 support	N/A
Fan/ Fanless	Fan	Fan	Fanless	Fanless
Control Switch and Buttons	1 power button, 1 programmable button and 1 Wi-Fi switch		1 power button and 2 trigger buttons	1 power button and 2 trigger buttons
Indicator	1 power/ battery status LED		1 power/ battery status LED and 1 WLAN active LED	1 power/ battery status LED
Microphone	Built-in microphone with DSP for video conference call		Built-in microphone	Built-in microphone
Speaker	Built-in speaker	Built-in speaker	Built-in speaker	Built-in speaker
Network Interface				
WLAN	Wi-Fi 802.11ac, 2.4GHz/ 5GHz dual band		Wi-Fi 802.11ac, 2.4GHz/ 5GHz dual band	Wi-Fi 802.11b/g/n
Bluetooth	Bluetooth 4.0 LE	Bluetooth 4.0 LE	Bluetooth 4.0 LE	Bluetooth 4.0 LE
I/O Ports				
USB Port	USB 3.0 x 1	USB 3.0 x 1	USB 3.0 x 1	USB 3.0 x 1
Audio Jack	2	2	1	1
DC-in	1	1	1	1
Smart Card Reader	Full-slot, Reads ISO 7816 T=0, T=1; 1.8/3/5V smart card		N/A	N/A
SD Slot	1 full size SD card slot	1 full size 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: 19V DC, 3.89A		Input: 100 – 240V AC; Output: 12V DC, 3.5A	Input: 100 – 240V AC; Output: 12V DC, 3.33A
Battery Pack	Internal 14.8V, 1880mAh/ Optional: External 14.8V, 1850mAh		Internal 7.4V, 3760mAh/ Optional: External 7.4V, 3760mAh	Internal 3.6V, 8800mAh
Enclosure	ABS + PC plastics; anti-microbial enclosure		ABS + PC plastics and magnesium-aluminum alloy; anti-microbial enclosure	
Protective Bumpers	Rubber bumpers on each corner with handstrap for handling protection		Rubber grips with handstrap	Rubber grips with handstrap
Dimensions (H x W x D)	8.5 x 13.5 x 0.75 in/ 216 x 344 x 18.9mm		8.3 x 10.2 x 0.8 in/ 211.5 x 260 x 20.3 mm	8.3 x 10.2 x 0.8 in/ 211.5 x 260 x 20.3 mm
Weight	3.15 lbs/ 1.43 kg	3.15 lbs/ 1.43 kg	2.69 lbs/ 1.22 kg	2.69 lbs/ 1.22 kg
Water and Dust Resistance	Front panel: IP54	Front panel: IP54	Front panel: IP52	Front panel: IP52
Vibration and Shock Resistance	N/A	N/A	MIL-STD-810G	MIL-STD-810G
Regulatory	FCC Class B, CE, RoHS compliant			
Temperature	Operation: 0°C – 40°C; Storage: -20°C – 60°C			
Humidity	0% – 90% non-condensing			
Major Options				
MSR	N/A	N/A	Triple track readers (ISO TK1, 2 & 3), JIS & AAMVA compliant	Single, double, or triple tracks; reads AAMVA, ISO bank (ISO 7811) and various cards. Supports unencrypted mode, TDES encryption with static/DUKPT keys management, and Remote Key Injection (RKI)
Barcode Scanner	2D scanner, reads 1D aslo	2D scanner, reads 1D aslo	2D scanner, reads 1D aslo	2D barcode scanner; reads 1D also
Camera	2M pixels front camera and 5M pixels back camera		5 megapixel back camera with auto focus, white balance, gain control and exposure control	
3D Camera	N/A	Intel® RealSense™ front camera, 20cm to 150cm depth range	N/A	
EMV Smart Card Reader	N/A	N/A	N/A	Features EMV Level 1 and 2 certification. Supports TDES and AES encryption algorithms and Remote Key Injection (RKI)
NFC/RFID Reader	Complies with HF 13.56MHz, ISO standard 15693, 14443A(B) & 18000-3 mode-1		N/A	N/A
Mobile Broadband	3G WWAN module or 4G LTE/AWS		3G WWAN	N/A

* Specifications subject to change without notice.



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Mobile POS Tablet

Rugged, Multi-functional for Point-of-Service and Sales Applications



The DT Research Mobile POS Tablets feature the integration of brilliant 7" and 9.7" capacitive touch screens and high performance yet energy-efficient Intel® Celeron® or Atom™ quad core processors within slim, light, and durable packages. With built-in Wi-Fi and Bluetooth as well as options for 2D barcode scanner, EMV smart card reader, encrypted magnetic stripe reader, encrypted magnetic stripe reader, NFC/RFID reader and camera modules, these tablets are ideal for point-of-service/sales applications, and offer seamless information capture for instant transmission on the sales floor, in the restaurant and in the warehouse.

Features

- 7" or 9.7" LED-backlight screen with capacitive touch
- Intel® Celeron® or Atom™ quad core processor; high performance with low power consumption
- Support for Microsoft® Windows® or Android operating system
- IP52 rated front panel for DT315 series
- Optional EMV smart card reader for DT315CR
- Optional camera, NFC/RFID reader, encrypted magnetic stripe reader, and 2D barcode scanner



Applications

- **Inventory/ Warehousing**
- **Control/ Monitoring**
- **Manufacturing**
- **Finance**
- **Hospitality**
- **Retail**
- **Healthcare**
- **Education**

Specifications

					
Model	DT307SQ	DT307SC	DT317BT	DT315BT	DT315CR
System					
CPU	Quad Core, 1.4GHz	ARM 800MHz	Intel® Atom™ Quad Core, 1.33GHz (up to 2.16GHz)	Intel® Celeron® processor	Intel® Atom™ Quad Core, 1.44GHz (up to 1.84GHz)
RAM	1GB	512MB	2GB	4GB	4GB
Storage	8GB Flash	4GB Flash	64GB Flash	64GB to 256GB Flash	64GB Flash
Operating System	Android 4.2	Microsoft® Windows® CE 6.0 or Windows® Mobile 6.X	Microsoft® Windows® 10 IoT Enterprise	Microsoft® Windows® 7 Professional or Windows® 10 IoT Enterprise	Microsoft® Windows® 10 IoT Enterprise
Display	7" LED-backlight screen with capacitive touch			9.7" LED-backlight screen with capacitive touch; anti-reflection outdoor viewable	
Display Resolution	1024 x 600	800 x 480	1280 x 800	1024 x 768	1024 x 768
Control Switch and Buttons	1 power button and 1 trigger button			1 power button and 2 trigger buttons	1 power button and 2 trigger button
Indicator	1 power/ battery status LED, 1 WLAN active LED and 1 MSR indicator		1 power/ battery status LED	1 power/ battery status LED and 1 WLAN active LED	1 power/ battery status LED
Microphone	Built-in microphone	Built-in microphone	N/A	Built-in microphone	Built-in microphone
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 802.11b/g/n	Wi-Fi 802.11ac, 2.4GHz/ 5GHz dual band	Wi-Fi 802.11b/g/n
Bluetooth	Bluetooth 4.0 HS	Bluetooth 2.1	Bluetooth 4.0 LE	Bluetooth 4.0 LE	Bluetooth 4.0 LE
I/O Ports					
USB Port	USB 2.0 X 1, mini USB X 1 (with OTG function)	USB 2.0 X 1, mini USB X 1	USB 2.0 X 1	USB 3.0 X 1	USB 3.0 X 1
Audio Jack	1 (2.5mm)	1 (2.5mm)	1	1	1
DC-in	1	1	1	1	1
SD Slot	1 Micro-SD card slot	1 Micro-SD card slot	N/A	1 full size SD card slot	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: 12V DC, 3.5A	Input: 100 – 240V AC; Output: 12V DC, 3.33A
Battery Pack	Replaceable rechargeable Li-ion battery, 3.7V, 4000mAh			Internal 7.4V, 3760mAh/ Optional: External 7.4V, 3760mAh	Internal 3.6V, 8800mAh
Enclosure	ABS + PC plastics	ABS + PC plastics	ABS + PC plastics	ABS + PC plastics and magnesium-aluminum alloy	
Protective Bumpers	Rubber bumpers with handstrap (units with MSR have handstrap only)		Rubber handstrap	Rubber grips with handstrap	Rubber grips with handstrap
Dimensions (H x W x D)	5.24 x 8.75 x 0.7 in/ 133 x 210 x 18 mm			8.3 x 10.2 x 0.8 in/ 211.5 x 260 x 20.3 mm	
Weight	1.1 lbs/ 0.5 kg	1.1 lbs/ 0.5 kg	1.1 lbs/ 0.5 kg	2.69 lbs/ 1.22 kg	2.69 lbs/ 1.22 kg
Water and Dust Resistance	N/A	N/A	N/A	IP52 front panel	IP52 front panel
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			
Humidity	0% – 90% non-condensing				
Major Options					
Magnetic Stripe Reader	Triple track readers (ISO TK1, 2 & 3), JIS & AAMVA compliant				Single, double, or triple tracks; reads AAMVA, ISO bank (ISO 7811) and various cards. Supports unencrypted mode, TDES encryption with static/DUKPT keys management, and Remote Key Injection (RKI)
Barcode Scanner (2D)	2D barcode scanner; reads 1D also				2D barcode scanner; reads 1D also
Camera	5 megapixel back camera with LED flash	3 megapixel back camera with LED flash	N/A	5 megapixel back camera with auto focus, white balance, gain control and exposure control	
EMV Smart Card Reader	N/A	N/A	N/A	N/A	Features EMV Level 1 and 2 certification. Supports TDES and AES encryption algorithms and Remote Key Injection (RKI)
NFC/RFID Reader	Complies with HF 13.56MHz, ISO standard 15693, 14443A(B) & 18000-3 mode-1				
Mobile Broadband	3G WWAN	N/A	N/A	N/A	3G WWAN

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