

Medical Tablets

Ruggedized Digital Tablets for Point-of-Care Applications



The DT Research Medical Mobile Tablets feature the integration of brilliant 9.7" to 13" touch screens, high performance as well as energy efficient processors and smart card readers in slim, durable, bacteria-resistant packages. With options for fully-integrated barcode scanners and cameras, these tablets offer health professionals effective tools to monitor, record and retrieve patient information. The built-in Wi-Fi and optional 3G wireless also makes data access efficient and optimizes staff workflow.



Features

- High performance with low power consumption
- 9.7" to 13" LED-backlight touch screens or sunlight readable option
- Smart card reader (full-slot) and optional modules: barcode scanner, camera, RFID, 3G and GPS
- Anti-microbial enclosure
- IP65-rated for water and dust resistance (DT398MD Series)
- MIL-STD-810G for shock and vibration protection (DT398MD Series)
- MIL-STD-810G Explosive Atmosphere certified (DT398MD Series)
- MIL-STD-461F for EMI and EMC tolerance (DT398MD Series)
- NIST (National Institute of Standards and Technology) compliant (DT398MD Series)
- TPM (Trusted Platform Module) 1.2 support
- Comprehensive remote device administration through server-based WebDT Device Manager software

Applications

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

Specifications



Model	DT313C-MD/ DT313H-MD		DT315BT-MD	DT315CT-MD	DT398B-MD	DT398B-MD-C
System						
CPU	Intel® Celeron®, 1.4GHz	Intel® Core™ i7, 1.8GHz	Intel® Celeron® Dual Core, 1.58GHz	Intel® Atom™ Dual Core, 1.86GHz	Intel® Core™ i7, 1.7GHz	
RAM	Up to 16GB		4GB		4GB to 8GB	
Storage	32GB to 512GB flash		32GB to 256GB Flash	32GB to 64GB Flash	32GB to 512GB Flash	
Operating System	Microsoft® Windows® Embedded Standard 7, 7 Professional, Embedded Standard 8 or 8.1 Pro Industry			Microsoft® Windows® Embedded Standard 7, 7 Professional or Linux		Microsoft® Windows® Embedded Standard 7, 7 Professional, Embedded 8 Standard or 8.1 Pro Industry
Display	13.3" LED-backlight screen with capacitive touch		9.7" LED-backlight screen with capacitive touch; anti-reflection outdoor viewable		9.7" LED-backlight sunlight-readable screen with resistive touch	9.7" LED-backlight capacitive touch screen
Display Resolution	1920 x 1080 (Full-HD)		1024 x 768 (XGA)		1024 x 768 (XGA)	1024 x 768 (XGA)
TPM	Yes, TPM 1.2 support		Yes, TPM 1.2 support		Yes, TPM 1.2 support	Yes, TPM 1.2 support
Fan/ Fanless	Fan		Fanless		Fan	Fan
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 1 trigger button	1 power button, 3 side buttons, 1 trigger button and 1 Wi-Fi switch	
Indicator	1 power/ battery status LED		1 power/ battery status LED and 1 WLAN active LED			
Microphone	Microphone with DSP for video conference call		Optional		Yes, built-in microphone	
Speaker	2W built-in speaker		built-in speaker		2W built-in speaker	
Sensor	N/A		Built-in gyroscope sensor, e-compass sensor, pressure sensor and 3-axis accelerometer	N/A	N/A	
Network Interface						
WLAN	Wi-Fi 802.11ac, 2.4GHz/ 5GHz dual band			Wi-Fi 802.11a/b/g/n	Wi-Fi 802.11a/b/g/n	Wi-Fi 802.11a/b/g/n
Bluetooth	Bluetooth 4.0 LE			Bluetooth 3.0+HS	Bluetooth 3.0+HS	Bluetooth 3.0+HS
WWAN/ GPS	N/A		Support WCDMA/HSPA/HSPA+/ EDGE/GPRS/GSM networks (optional)	N/A	3G module for HSPA+/WCDMA/EDGE/GPRS/GSM with GPS positioning and navigation (optional)	
I/O Ports						
USB Port	1 USB 3.0		1 USB 3.0	1 USB 2.0	1 eSATA USB hybrid port	1 eSATA USB hybrid port
Audio Jack	2		1	2	1	1
DC-in	1		1	1	1	1
Smart Card Reader	Full-slot, Reads ISO 7816 T=0, T=1; 1.8/3/5V smart card		N/A	Half-slot, reads ISO 7816 T=0, T=1; 1.8/3/5V smart card	Full-slot, reads ISO 7816 T=0, T=1; EMV 2000 certified, 1.8/3/5V smart card	
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, 6.31A		Input: 100 – 240V AC; Output: 12V DC, 3.5A		Input: 100 – 240V AC; Output: 19V DC, 6.31A	
Battery Pack	Internal 14.8V, 1880mAh/ Optional: External 14.8V, 1850mAh		Internal 7.4V, 3760mAh/ Optional: External 7.4V, 3760mAh		Internal 14.8V, 1880mAh/ Optional: External 14.8V, 1850mAh	
Enclosure	PC+ABS, TPR; anti-microbial enclosure		ABS + PC plastics and magnesium-aluminum alloy; anti-microbial enclosure		ABS + PC plastics; anti-microbial enclosure	
Protective Bumpers	Rubber bumpers on each corner with handstrap for handling protection					
Stylus	Yes, capacitive touch stylus		Yes, capacitive touch stylus		Yes, non-electronic tip	Yes, capacitive touch stylus
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		8.7 x 10.4 x 1 in/ 220 x 263 x 25.4 mm	
Weight	3.31 lbs/ 1.5 kg		2.69 lbs/ 1.22 kg		3.1 lbs/ 1.4 kg	
Water and Dust Resistance	Front panel: IP54		Front panel: IP52	Front panel: IP54	IP65	IP65
MIL-STD-810G	N/A		Drop, shock and vibration		Shock and vibration protection & explosive atmosphere certified	
MIL-STD-461F	N/A		N/A		EMI and EMC Tolerance	
Regulatory	FCC Class B, CE, RoHS compliant					
Temperature	Operation: 0°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	N/A		Triple track readers (ISO TK1, 2 & 3), JIS & AAMVA compliant		N/A	N/A
Barcode Scanner	N/A		2D scanner, reads 1D aslo			
Camera	2M pixels front camera and 5M pixels back camera with LED flash		5M back camera with LED flash		2M pixels front camera and 5M pixels back camera with LED flash	
RFID Reader	HF 13.56MHz, ISO standard 15693, 14443A(B) & 18000-3 mode-1		N/A		N/A	

* Specifications subject to change without notice.

