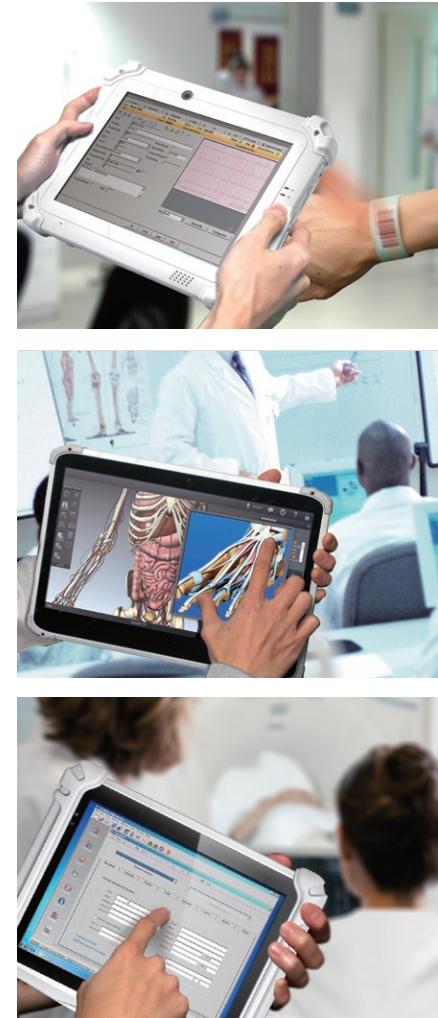# Medical Tablets

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 and 3G
- Anti-microbial enclosure
- IP65-rated for water and dust resistance (DT398B-MD/ DT398B-MD-C)
- MIL-STD-810G for shock and vibration protection
- MIL-STD-810G Explosive Atmosphere certified (DT398B-MD/ DT398B-MD-C)
- MIL-STD-461F for EMI and EMC tolerance (DT398B-MD/ DT398B-MD-C)
- NIST (National Institute of Standards and Technology) compliant (DT398B-MD/ DT398B-MD-C)
- 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

	DT313C-MD	DT313H-MD	DT315BT-MD	DT315CT-MD	DT398B-MD/ DT398B-MD-C

System

	DT313C-MD	DT313H-MD	DT315BT-MD	DT315CT-MD	DT398B-MD/ DT398B-MD-C
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	Up to 16GB	4GB	4GB	4GB to 8GB
Storage	32GB to 512GB flash	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, Windows® 7 Professional, or Linux; Windows® Embedded 8 Standard or Windows® 8.1 Pro Industry for capacitive touch screen only
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, or outdoor display with capacitive touch
Display Resolution	1920 x 1080 (Full-HD)	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	Yes, TPM 1.2 support
Fan/ Fanless	Fan	Fan	Fanless	Fanless	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		Built-in microphone	Optional	Built-in microphone
Speaker	2W built-in speaker	2W built-in speaker	Built-in speaker	Built-in speaker	2W built-in speaker
Sensor	N/A	N/A	Built-in gyroscope sensor, e-compass sensor, and 3-axis accelerometer	N/A	N/A

Network Interface

	DT313C-MD	DT313H-MD	DT315BT-MD	DT315CT-MD	DT398B-MD/ DT398B-MD-C
WLAN	Wi-Fi 802.11ac, 2.4GHz/ 5GHz dual band			Wi-Fi 802.11a/b/g/n	Wi-Fi 802.11a/b/g/n
Bluetooth	Bluetooth 4.0 LE	Bluetooth 4.0 LE	Bluetooth 4.0 LE	Bluetooth 3.0+HS	Bluetooth 3.0+HS
WWAN	3G module for HSPA+/HSPA/UMTS and EDGE/GPRS/GSM networks (optional)			3G module for HSPA+/WCDMA/EDGE/GPRS/GSM networks (optional)	

I/O Ports

	DT313C-MD	DT313H-MD	DT315BT-MD	DT315CT-MD	DT398B-MD/ DT398B-MD-C
USB Port	1 USB 3.0	1 USB 3.0	1 USB 3.0	1 USB 2.0	1 eSATA USB hybrid port
Audio Jack	2	2	1	2	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	1 full size SD card slot

Mechanical and Environmental

	DT313C-MD	DT313H-MD	DT315BT-MD	DT315CT-MD	DT398B-MD/ DT398B-MD-C
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:** 18.5V DC, 3.89A
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	Capacitive touch stylus		Capacitive touch stylus		DT398B-MD: non-electronic tip DT398B-MD-C: 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: IP54	Front panel: IP52	Front panel: IP54	IP65
MIL-STD-810G	N/A	N/A	Drop, shock and vibration		Shock and vibration protection & explosive atmosphere certified
MIL-STD-461F	N/A	N/A	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

	DT313C-MD	DT313H-MD	DT315BT-MD	DT315CT-MD	DT398B-MD/ DT398B-MD-C
MSR	N/A	N/A	Triple track readers (ISO TK1, 2 & 3), JIS & AAMVA compliant		N/A
Barcode Scanner	N/A	N/A	2D scanner, reads 1D aslo		
Camera	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	HF 13.56MHz, ISO standard 15693, 14443A(B) & 18000-3 mode-1

* Specifications subject to change without notice.

Product Configurator

www.dtresearch.com/productconfig