



DT Research

Medical Tablets

Ruggedized Digital Tablets for Point-of-Care Applications

DT Research Medical Tablets are designed for the demanding environments and required security and flexibility in medical and healthcare industries. Featuring brilliant touch screens and various data-capture options within a slim, durable and anti-microbial enclosure, the DT Research Medical Tablets provide point-of-care solutions for healthcare professionals to monitor, record and retrieve patient information anytime and anywhere.





• Applications

The DT Research Medical Tablets are ideal for the following applications:

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

Specifications

		
Model	DT312MD	DT390MD
System		
CPU	Intel® Atom™ Z530, 1.6GHz	
RAM	2GB	
Storage	2GB to 16GB Flash or 32GB/64GB SSD	2GB to 32GB Flash
Operating System	Microsoft® Windows® Embedded Standard 7, Windows® 7 Professional, Windows® XP Embedded, Windows® XP Pro for Embedded Systems, or Linux	
Display	10.4" LED-backlight screen with resistive touch; sunlight-readable option	8.9" LED-backlight screen with resistive touch; sunlight-readable option
Display Resolution	1024 x 768 (XGA)	1024 x 600 (WSVGA)
Network Interface	Wi-Fi 802.11a/b/g/n; Bluetooth 2.1 with EDR	
Trusted Platform Module	N/A	Yes, TPM 1.2 support
Control Switch and Buttons	1 power button, 7 front buttons and 1 trigger button	
Indicator	1 power/ battery status LED and 1 WLAN active LED	
Speaker	Built-in speaker	
I/O Ports		
USB 2.0 Port	2	1
Microphone-in	1	Internal microphone
Headphone-out	1	1
DC-in	1	1
Full Slot Smart Card Reader	N/A	Reads ISO 7816 T=0, T=1; EMV 2000; 1.8 /3/5V smart card
Mechanical and Environmental		
AC/DC Adapter	Input: 100 – 240V AC; Output: 12V DC, 3.5A	Input: 100 – 240V AC; Output: 18.5V, 3.89A
Battery Pack	Internal 7.4V, 2200mAh or 7.4V, 3760mAh/ Optional: External 7.4V, 3760mAh	Internal 7.4V, 3760mAh/ Optional: External 7.4V, 3760mAh/ 7.2V, 3900mAh
Enclosure	ABS + PC plastics and magnesium-aluminum alloy; anti-microbial enclosure	ABS + PC plastics; anti-microbial enclosure
Stylus	Yes, non-electronic tip	
Protective Grip	Rubber with handstrap	
Dimensions (H x W x D)	8.3 x 10.3 x 0.8 in/ 210 x 261 x 18 mm	7.7 x 10 x 1.25 in/ 196 x 256 x 32 mm
Weight	2.05 lbs/ 0.93 kg	2.43 lbs/ 1.1 kg
Water and Dust Resistance	N/A	IP64 <small>* IP64 rating may not be applicable for units with MSR or Smart Card Reader module options</small>
Vibration and Shock Resistance	N/A	MIL-STD-810G
Regulatory	FCC Class B, CE, C-Tick, RoHS compliant	
Temperature	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	
Barcode Scanner	2D barcode scanner; Intermec omni-directional scanner, reads 1D also	
Camera	2 mega pixels front and back cameras, with auto focus, white balance, gain control and exposure control	2 mega pixels front and back cameras, with LED flash (for back camera only), auto focus, white balance, gain control and exposure control
RFID Reader	HF 13.56MHz, ISO standard 15693, 14443A(B) & Felica UID	
Smart Card Reader	Reads ISO 7816 T=0, T=1; EMV 2000; 1.8/3/5V Smart card	
WWAN or GPS	N/A	Gobi 3G module for GSM/GPRS/EDGE, EV-DO networks with GPS positioning and navigation

* Specifications subject to change without notice.