



DT Research

Mobile POS Tablets

Rugged, Multi-functional Wireless Computing

The DT Research Mobile POS Tablets feature the integration of brilliant touch displays and high performance processing within slim, durable, and light designs. Developed for mobile POS (point-of-sale and point-of-service) applications, the DT Research tablets embed peripherals that include smart card, magnetic stripe and RFID readers, Bluetooth, various wireless networking formats, cameras, scanners, PIN pads*, and imagers. The user and deployment experience is enhanced by a comprehensive suite of accessories and options in support of docking, mounting, battery management, sunlight viewability and a range of other POS-centric requirements. The major software operating systems facilitate the integration of the DT Research tablets into comprehensive POS systems.

*Patented

• Applications

The DT Research Mobile POS Tablets are ideal for the following applications :

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



Specifications

						
Model	DT312	DT362	DT372	DT372i	DT390/ 390c	DT390i
System						
CPU	Intel® Atom™ Z530, 1.6GHz					
RAM	2GB					
Storage	2GB to 16GB Flash or 32GB/64GB SSD		2GB to 32GB Flash		2GB to 32GB Flash (or 32GB/64GB SSD for 390)	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	8.4" LED-backlight screen with resistive touch; sunlight-readable option	7" LED-backlight screen with resistive touch; sunlight-readable option		8.9" LED-backlight screen with resistive touch DT390: outdoor-viewable (option) DT390c: sunlight-readable (standard)	8.9" LED-backlight screen with resistive touch; sunlight-readable option
Display Resolution	1024 x 768 (XGA)	800 x 600 (SVGA)	1024 x 600 (WSVGA)		1024 x 600 (WSVGA)	1024 x 600 (WSVGA)
Network Interface	Wi-Fi 802.11a/b/g/n; Bluetooth 2.1 with EDR					
Trusted Platform Module	N/A	N/A	N/A	Yes, TPM 1.2	N/A	Yes, TPM 1.2
Control Switch and Buttons	1 power button, 7 front buttons and 1 trigger button		1 power button, 5 front buttons and 1 trigger button		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	1	1	1	1
Microphone-in	1	1	Internal microphone	Internal microphone	Internal microphone	Internal microphone
Headphone-out	1	1	1	1	1	1
DC-in	1	1	1	1	1	1
Full Slot Smart Card Reader	N/A	N/A	N/A	N/A	N/A	Reads ISO 7816 T=0, T=1; EMV 2000 certified, 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: 12V DC, 3A	Input: 100 – 240V AC; Output: 19V DC, 2.36A			
Battery Pack	Internal 7.4V, 2200mAh or 7.4V, 3760mAh/ Optional external: 7.4V, 3760mAh		Removable 7.4V, 3760mAh	Internal 7.4V, 3760mAh/ Optional: External 7.4V, 3760mAh/ 7.2V, 3900mAh		
Enclosure	ABS + PC plastics and magnesium-aluminum alloy			ABS + PC plastics		
Stylus	Yes, non-electronic tip					
Protective Bumpers	Rubber side-grips with handstrap		Rubber bumpers on each corner for handling protection			
Dimensions (H x W x D)	8.3x10.3x0.8in/ 210x261x18mm	7.9x9.6x0.8in/ 200x240x18mm	7.4x9.3x1.6in/ 190x237x41mm		7.7x10x1.25in/ 196x256x32mm	7.7x10x1.25in/ 196x256x32mm
Weight	2.05 lbs/ 0.93 kg	1.9 lbs/ 0.86 kg	2.43 lbs/ 1.1 kg		2.43 lbs/ 1.1 kg	2.43 lbs/ 1.1 kg
Water and Dust Resistance	N/A	N/A	IP64 <small>* IP64 rating may not be applicable for units with MSR module option</small>		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	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			Operation: -20°C – 50°C; Storage: -20°C – 60°C	Operation: 0°C – 40°C; Storage: -20°C – 60°C	Operation: -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					
Encrypted MSR	N/A	N/A	Supports TDS & AES encryption, complies with PCI-DSS requirements			N/A
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 back camera; with auto focus, white balance, gain control and exposure control	2 mega pixels back camera with LED flash, 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 certified, 1.8/3/5V Smart card					
Encrypted PIN Pad (Patented)	N/A	N/A	15-key encrypted PIN Pad; inputs and encrypts the cardholder's personal identification number	N/A	15-key encrypted PIN Pad; inputs and encrypts the cardholder's personal identification number	N/A
WWAN or GPS	N/A	N/A	Gobi 3G module for GSM/GPRS/EDGE, EV-DO networks with GPS positioning and navigation			

* Specifications subject to change without notice.