



# 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, 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.






### • Applications

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

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



## Specifications

					
Model	DT312	DT362	DT372	DT390/ 390c	DT390i
System					
CPU	Intel® Atom™ Z530, 1.6GHz				
RAM	2GB				
Storage	2GB to 64GB Flash				
Operating System	Microsoft® Windows® Embedded Standard 7, Windows® 7 Professional, Windows® XP Embedded; Windows® XP Pro for Embedded Systems, or Linux (DT390c and DT390i do not support 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	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
Microphone-in	1	1	Internal microphone	Internal microphone	Internal microphone
Headphone-out	1	1	1	1	1
DC-in	1	1	1	1	1
Full Slot Smart Card Reader	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: 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)	8.3 x 10.3 x 0.8 in/ 210 x 261 x 18 mm	7.9 x 9.6 x 0.8 in/ 200 x 240 x 18 mm	7.4 x 9.3 x 1.6 in/ 190 x 237 x 41 mm	7.7 x 10 x 1.25 in/ 196 x 256 x 32 mm	7.7 x 10 x 1.25 in/ 196 x 256 x 32 mm
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	IP65 * IP65 rating may not be applicable for units with module options	IP64 * IP64 rating may not be applicable for units with module options	
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
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 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				
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.