



# 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
- Healthcare
- Control/ Monitoring
- Education
- Finance
- Hospitality
- Retail
- Manufacturing



## Specifications

					
Model	<b>DT312</b>	<b>DT362</b>	<b>DT372</b>	<b>DT390/ 390c</b>	<b>DT390i</b>
<b>System</b>					
<b>CPU</b>	Intel® Atom™ Z530, 1.6GHz				
<b>RAM</b>	2GB				
<b>Storage</b>	2GB to 64GB Flash				
<b>Operating System</b>	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)				
<b>Display</b>	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
<b>Display Resolution</b>	1024 x 768 (XGA)	800 x 600 (SVGA)	1024 x 600 (WSVGA)	1024 x 600 (WSVGA)	1024 x 600 (WSVGA)
<b>Network Interface</b>	Wi-Fi 802.11a/b/g/n; Bluetooth 2.1 with EDR				
<b>Trusted Platform Module</b>	N/A	N/A	N/A	N/A	Yes, TPM 1.2
<b>Control Switch and Buttons</b>	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	
<b>Indicator</b>	1 power/ battery status LED and 1 WLAN active LED				
<b>Speaker</b>	Built-in speaker				
<b>I/O Ports</b>					
<b>USB 2.0 Port</b>	2	1	1	1	1
<b>Microphone-in</b>	1	1	Internal microphone	Internal microphone	Internal microphone
<b>Headphone-out</b>	1	1	1	1	1
<b>DC-in</b>	1	1	1	1	1
<b>Full Slot Smart Card Reader</b>	N/A	N/A	N/A	N/A	Reads ISO 7816 T=0, T=1; EMV 2000 certified, 1.8/3/5V smart card
<b>Mechanical and Environmental</b>					
<b>AC/DC Adapter</b>	Input: 100 – 240V AC; Output: 12V DC, 3.5A		Input: 100 – 240V AC; Output: 19V DC, 2.36A		
<b>Battery Pack</b>	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	
<b>Enclosure</b>	ABS + PC plastics and magnesium-aluminum alloy		ABS + PC plastics		
<b>Stylus</b>	Yes, non-electronic tip				
<b>Protective Bumpers</b>	Rubber side-grips with handstrap		Rubber bumpers on each corner for handling protection		
<b>Dimensions (H x W x D)</b>	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
<b>Weight</b>	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
<b>Water and Dust Resistance</b>	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	
<b>Vibration and Shock Resistance</b>	N/A	N/A	MIL-STD-810G		
<b>Regulatory</b>	FCC Class B, CE, C-Tick, RoHS compliant				
<b>Temperature</b>	Operation: 0°C – 40°C; Storage: -20°C – 60°C				Operation: -20°C – 50°C; Storage: -20°C – 60°C
<b>Humidity</b>	0% – 90% non-condensing				
<b>Major Options</b>					
<b>MSR</b>	Triple track readers (ISO TK1, 2 & 3), JIS & AAMVA compliant				
<b>Barcode Scanner</b>	2D barcode scanner; Intermec omni-directional scanner, reads 1D also				
<b>Camera</b>	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	
<b>RFID Reader</b>	HF 13.56MHz, ISO standard 15693, 14443A(B) & Felica UID				
<b>Smart Card Reader</b>	Reads ISO 7816 T=0, T=1; EMV 2000 certified, 1.8/3/5V Smart card		N/A	Reads ISO 7816 T=0, T=1; EMV 2000 certified, 1.8/3/5V Smart card	
<b>WWAN or GPS</b>	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.



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