



DT Research

Mobile Rugged Tablet

Rugged, Multi-functional Wireless Computing

The DT Research Mobile Rugged Tablets feature the integration of brilliant touch displays and high performance processing within slim, durable, and light designs. Developed for mobile 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 ease-of-use-centric requirements. The major software operating systems facilitate the integration of the DT Research tablets into comprehensive systems.









• Applications

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

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



Specifications

								
Model	DT307SC	DT362	DT390	DT315CT	DT365	DT395	DT398B	DT398C
System								
CPU	ARM 800MHz	Intel® Atom™, 1.6GHz		Intel® Atom™ Dual Core, 1.86GHz			Intel® Core™ i7, 1.7GHz	Intel® Celeron® Dual Core, 1.1GHz
RAM	512MB	2GB		4GB			4GB to 8GB	
Storage	4GB Flash	8GB to 256GB Flash	8GB to 64GB Flash	8GB to 256GB Flash			8GB to 256GB Flash	
Operating System	Microsoft® Windows® CE 6.0 or Windows® Mobile 6.X	Microsoft® Windows® Embedded Standard 7, 7 Professional, XP Embedded; XP Pro for Embedded Systems or Linux	Microsoft® Windows® Embedded Standard 7, 7 Professional, XP Embedded or XP Pro for Embedded Systems	Microsoft® Windows® Embedded Standard 7, 7 Professional or Linux				
Display	7" LED-backlight screen with capacitive touch	8.4" LED-backlight screen with resistive touch; sunlight-readable option	8.9" LED-backlight screen with resistive touch; outdoor-viewable option	9.7" LED-backlight screen with capacitive touch; outdoor display option	8.4" LED-backlight capacitive touch screen; outdoor display option	9" LED-backlight screen with resistive touch, sunlight-readable	9.7" LED-backlight screen with resistive touch; sunlight readable options	
Display Resolution	480 x 800 (WVGA)	800 x 600 (SVGA)	1024 x 600 (WSVGA)	1024 x 768 (XGA)	800 x 600 (SVGA)	1024 x 600 (WSVGA)	1024 x 768 (XGA)	1024 x 768 (XGA)
TPM	N/A	N/A	N/A	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	Fanless	Fanless	Fanless	Fanless	Fanless	Fanless	Fan	Fan
Control Switch and Buttons	1 power button and 1 trigger button	1 power button, 7 front buttons and 1 trigger button		1 power button and 1 trigger button		1 power button, 7 front buttons, 1 trigger button and 1 Wi-Fi switch	1 power button, 3 side buttons, 1 trigger button and 1 Wi-Fi switch	
Indicator	1 power/ battery status LED, 1 WLAN active LED and 1 MSR indicator	1 power/ battery status LED and 1 WLAN active LED						
Speaker	Built-in speaker							
Network Interface								
WLAN	Wi-Fi 802.11a/b/g/n	Wi-Fi 802.11a/b/g/n	Wi-Fi 802.11a/b/g/n	Wi-Fi 802.11a/b/g/n	Wi-Fi 802.11a/b/g/n	Wi-Fi 802.11a/b/g/n	Wi-Fi 802.11a/b/g/n	Wi-Fi 802.11a/b/g/n
Bluetooth	Bluetooth 2.1	Bluetooth 2.1 with EDR	Bluetooth 2.1 with EDR	Bluetooth 3.0+HS	Bluetooth 3.0+HS	Bluetooth 3.0+HS	Bluetooth 3.0+HS	Bluetooth 3.0+HS
WWAN/ GPS	N/A	N/A	3G module for HSPA+/WCDMA/EDGE/GPRS/GSM with GPS positioning and navigation (optional)					
I/O Ports								
USB Port	1 USB 2.0, 1 mini USB	1	1	1	1	1 USB 2.0	1 eSATA USB hybrid port	
Microphone-in	Internal microphone	1	Internal microphone	1	1	N/A	N/A	N/A
Headphone-out	1	1	1	1	1	1	1	1
DC-in	1	1	1	1	1	1	1	1
Smart Card Reader	N/A	Half-slot, reads ISO 7816 T=0, T=1; 1.8/3/5V smart card (optional)		Half-slot, reads ISO 7816 T=0, T=1; 1.8/3/5V smart card		N/A	Full-slot, reads ISO 7816 T=0, T=1; 1.8/3/5V smart card	
SD Slot	Micro-SD x 1, up to 8GB	N/A	N/A	Yes, up to 64GB	Yes, up to 64GB	Yes, up to 64GB	Yes, up to 64GB	Yes, up to 64GB
Mechanical and Environmental								
AC/DC Adapter	Input: 100 – 240V AC; Output: 5V DC, 3A	Input: 100 – 240V AC; Output: 12V DC, 3.5A				Input: 100 – 240V AC; Output: 19V DC, 2.36A	Input: 100 – 240V AC; Output: 19V DC, 6.31A	
Battery Pack	Hot swappable battery, 3.7V, 4000mAh	Internal 7.4V, 2200mAh or 7.4V, 3760mAh/ Optional: External 7.4V, 3760mAh		Internal 7.4V, 3760mAh/ Optional: External 7.4V, 3760mAh		Internal 14.8V, 1880mAh/ Optional: External 14.8V, 1850mAh		
Enclosure	ABS + PC plastics, TPR	ABS + PC plastics and magnesium-aluminum alloy				ABS + PC plastics		
Stylus	Yes, capacitive touch stylus	Yes, non-electronic tip	Yes, non-electronic tip	Yes, capacitive touch stylus		Yes, non-electronic tip	Yes, non-electronic tip	Yes, non-electronic tip
Protective Bumpers	handstrap	Rubber grips with handstrap				Rubber bumpers on each corner with handstrap for handling protection		
Dimensions (H x W x D)	5.24 x 8.75 x 0.7 in/ 133 x 210 x 18 mm	7.9 x 9.6 x 0.8 in/ 200 x 240 x 18 mm	7.7 x 10 x 1.25 in/ 196 x 256 x 32 mm	8.3 x 10.2 x 0.8 in/ 211.5 x 260 x 20.3 mm	9.4 x 7.9 x 1.4 in/ 240 x 200.5 x 35 mm	7.7 x 10 x 1.3 in/ 196 x 256 x 33.5mm	8.7 x 10.4 x 1 in/ 220 x 263 x 25.4 mm	
Weight	1.1 lbs/ 0.5 kg	1.9 lbs/ 0.86 kg	2.43 lbs/ 1.1 kg	2.69 lbs/ 1.22 kg	2.43 lbs/ 1.1 kg	2.43 lbs/ 1.1 kg	3.1 lbs/ 1.4 kg	3.1 lbs/ 1.4 kg
IP Rating	N/A	N/A	IP64 (*IP64 rating may not be applicable for units with module options)	IP54 front panel	N/A	IP65	IP65	IP65
MIL-STD-810G	N/A	N/A	Shock and vibration protection	N/A	N/A	Shock and vibration protection & explosive atmosphere certified	Shock and vibration protection & explosive atmosphere certified	Shock and vibration protection & explosive atmosphere certified
EMI and EMC Tolerance	N/A	N/A	N/A	N/A	N/A	MIL-STD-461F	MIL-STD-461F	MIL-STD-461F
Regulatory	FCC Class B, CE, C-Tick, RoHS compliant							
Temperature	Operation: 0°C – 40°C; Storage: -20°C – 60°C			Operation: -10°C – 50°C (Battery charging: 0°C – 40°C); Storage: -20°C – 60°C	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								
MSR	Triple track readers (ISO TK1, 2 & 3), JIS & AAMVA compliant					N/A	N/A	N/A
Barcode Scanner	2D barcode scanner; reads 1D also							
Camera	3M back camera with LED flash	2M pixels back camera	2M pixels front and back cameras, with LED flash (for back camera only)	5M back camera with LED flash		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	HF 13.56MHz, ISO standard 15693, 14443A(B) & 18000-3 mode-1	N/A	HF 13.56MHz, ISO standard 15693, 14443A(B) & 18000-3 mode-1	

* Specifications subject to change without notice.

