



DT Research

Handheld POS Terminal

Compact and Robust Handheld for
Point-of-Sale/Service Applications

The DT400 series POS Handhelds feature 4.3" touch screens in compact and robust packages for point-of-service/sale applications, inventory management, and field applications. With the high performance processors, and large memory and flash, these POS handhelds enhance performance, energy efficiency, and storage capacity. Emphasizing superior integration and handling, the DT400 series handhelds offer options for embedded POS-centric peripherals, including magnetic stripe and RFID readers, cameras, and powerful barcode scanners.

Designed for real-life handling in harsh operating conditions, the rugged DT400 series handhelds feature drop-protection, IP-rated for dust and water-proof operations, and replaceable batteries for extended performance. DT Research's POS Handhelds provide the precise features needed to streamline operations and improve productivity, accurate data collection and service efficiency, and secure payment transactions.

• Applications

The DT400 series POS Handhelds are ideal for the following applications:

- **Hospitality/ Restaurant**
- **Healthcare**
- **Retail**
- **Inventory/ Warehousing**
- **Manufacturing**
- **Entertainment**



Specifications



Model	DT432SQ-MD	DT433SQ	DT430SC	DT432SC-MD	DT433SC
-------	------------	---------	---------	------------	---------

System

CPU	Quad Core, 1.4GHz		ARM 800MHz		
RAM	1GB		512MB		
Storage	8GB Flash		4GB Flash		
Operating System	Android 4.2		Windows CE 6.0 or Windows Mobile 6.X	Windows CE 6.0 or Windows Mobile 6.5	
Display	4.3" TFT-LCD with capacitive touch		4.3" TFT-LCD with resistive touch; outdoor-viewable display	4.3" TFT-LCD with capacitive touch	
Display Resolution	480 x 800	480 x 800	272 x 480	480 x 800	480 x 800
Control Switch and Buttons	1 power button, 2 trigger buttons and 4 front software buttons	1 power button and 4 front software buttons	1 power button, 4 front buttons, 2 trigger buttons	1 power button, 2 trigger buttons and 4 front software buttons	1 power button and 4 front software buttons
Indicator	N/A	N/A	1 power-on LED indicator, 1 WLAN enable/ communication indicator, 1 MSR indicator	N/A	N/A
Speaker and Microphone	1 built-in speaker, 1 mono microphone	N/A	1 built-in speaker, 1 mono microphone		N/A

Network Interface

WLAN	Built-in IEEE 802.11a/b/g/n WLAN				
Bluetooth	Bluetooth 4.0+HS		Bluetooth 2.1		

I/O Ports

USB Port	1 (mini USB for charging and ActiveSync only)		1 (USB 1.1)	1 (mini USB for charging and ActiveSync only)	
Audio Jack	N/A	N/A	1 (2.5mm stereo headset and microphone jack)	N/A	N/A
DC-in	1 via mini USB	1 via mini USB	1, 1.3mm power jack	1 via mini USB	1 via mini USB
Cradle Charging Interface	2 external power pins	2 external power pins	1	2 external power pins	2 external power pins
Micro SD Slot	Yes, up to 32GB	Yes, up to 32GB	N/A	Yes, up to 32GB	Yes, up to 32GB

Mechanical and Environmental

AC/DC Adapter	Input: 100–240V AC; Output: 5V DC, 2A		Input: 100 – 240V AC; Output: 5V DC, 3A	Input: 100 – 240V AC; Output: 5V DC, 2A	
Battery Pack	Replaceable, rechargeable Li-ion battery 2500mAh, 3.7V		Replaceable rechargeable Li-ion battery 3760mAh, 3.7V	Replaceable, rechargeable Li-ion battery 2500mAh, 3.7V	
Backup Battery	N/A	N/A	180 mAh	N/A	N/A
Enclosure	PC+ABS, TPR/ Anti-microbial plastic	PC+ABS, TPR	PC+ABS, TPR	PC+ABS, TPR/ Anti-microbial plastic	PC+ABS, TPR
Stylus	N/A	N/A	Yes, non-electronic tip	N/A	N/A
Dimensions (H x W x D)	5.5 x 3 x 0.85 in/ 139 x 76 x 21.5 mm	5.9 x 3 x 0.55 in/ 150 x 76 x 14 mm	6.3 x 3.4 x 1.2 in/ 160 x 86 x 30 mm	5.5 x 3 x 0.85 in/ 139 x 76 x 21.5 mm	5.9 x 3 x 0.55 in/ 150 x 76 x 14 mm
Weight	0.39 lbs/ 178 g	0.41 lbs/ 186 g	0.9 lbs/ 415 g	0.39 lbs/ 178 g	0.41 lbs/ 186 g
Water and Dust Resistance	N/A	N/A	System: IP54; Front Panel: IP65	N/A	N/A
Drop, Vibration and Shock Resistance	MIL-STD-810G	MIL-STD-810G	N/A	MIL-STD-810G	MIL-STD-810G
Regulatory	FCC Class B, CE, RoHS compliant		FCC Class B, CE, C-Tick, UL, CB, RoHS compliant	FCC Class B, CE, RoHS compliant	
Temperature	Operation: 0°C – 40°C; Storage: -20°C – 60°C				
Humidity	0% – 90% non-condensing				

Data Capture Modules (optional)

MSR	N/A	Triple track readers (ISO TK1, 2 & 3), JIS & AAMVA compliant		N/A	Triple track readers (ISO TK1, 2 & 3), JIS & AAMVA compliant
Barcode Scanner	2D scanner, reads 1D aslo	N/A	2D scanner	2D scanner, reads 1D aslo	N/A
RFID Reader	N/A	N/A	HF 13.56MHz, ISO standard 15693, 14443A(B), 18000-3 mode-1	N/A	N/A
Camera	3 megapixel back camera with LED flash, auto focus	N/A	N/A	3 megapixel back camera with LED flash, auto focus	N/A

* Specifications subject to change without notice.

