DT430SC
Handheld POS Terminal
Compact and Robust Handheld for Point-of-Sale/Service Applications

The DT430SC POS Handheld features a 4.3” outdoor-viewable, responsive touch display in a compact and robust package for point-of-service/sale applications, inventory management, and field applications. With the faster 800MHz processor, and larger memory and flash, the DT430SC provides enhanced performance, energy efficiency, and larger storage capacity. Emphasizing superior integration and handling, the DT430SC offers options for embedded POS-centric peripherals, including magnetic stripe and RFID readers, more powerful barcode scanners, Bluetooth and 802.11 a/b/g/n wireless network connection with enhanced coverage range.

Designed for real-life handling in harsh operating conditions, the rugged DT430SC features drop-protection, IP54 rating, with IP65 front panel, for dust and water-proof operations, and hot-swappable 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 DT430SC is ideal for the following applications:

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

• Specifications

System	
CPU	ARM 800MHz
RAM	512MB
Storage	4GB Flash
Operating System	Windows CE 6.0; Windows Mobile 6
Display	4.3" TFT-LCD with resistive touch; outdoor-viewable display
Display Resolution	272 x 480 (WQVGA)
Network Interface	Built-in IEEE 802.11a/b/g/n WLAN and Bluetooth 2.1
Control Switch and Button	1 power button, 4 front buttons, 2 trigger buttons
Indicator	1 power-on LED indicator, 1 WLAN enable/ communication indicator, 1 MSR indicator
Speaker or Microphone	1 built-in speaker, 1 mono microphone
Vibration Alert	Vibration alert messaging; SDK available for application developers

I/O Ports	
USB Port	1 (USB 1.1)
Audio Jack	1 (2.5mm stereo headset and microphone jack)
DC-in	1, 1.3mm
Cradle Charging Interface	1

Mechanical and Environmental	
AC/DC Adapter	Input: 100 – 240V AC; Output: 5V DC, 3A
Battery Pack	Replaceable rechargeable Li-ion battery 3760 mAh, 3.7V
Backup Battery	180 mAh
Enclosure	PC+ABS, TPR
Stylus	non-electronic tip
Dimensions (H x W x D)	6.3 x 3.4 x 1.2 in/ 160 x 86 x 30 mm
Weight	0.9 lbs/ 415 g
Water and Dust Resistance	System: IP54; Front Panel: IP65
Regulatory	FCC Class B, CE, C-Tick, RoHS compliant
Temperature	Operation: 0°C – 40°C; Storage: -20°C – 60°C
Humidity	0% – 90% non-condensing

* Specifications subject to change without notice.

• Data Capture Modules

MSR (optional)	
Recording Method	Two-frequency coherent phase (F2F)
Decoding Method	ISO Track1 - IATA , Track2 - ABA and Track3 – THRIFT
Card Swiping Direction	Bi-directional
Card Swiping Speed	Card speed through the unit may vary from 3 ips to 100 ips (7 cm/s to 250 cm/s)
Operating life	Electronics: 125,000 hours; Head: 1,000,000 passes

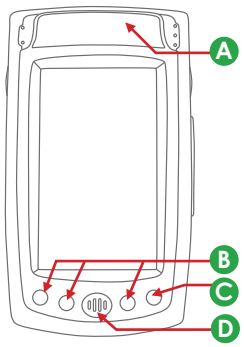
1D Barcode Scanner (optional)	
Decoded Mode	Code128, EAN-13, EAN-8, Code-39, UPC-A, UPC-E, Codabar, Interleaved 2 of 5, ISBN/ ISSN, Code93. etc
Scan Rate	Up to 300 scans/ sec
Scan Angle	Horizontal: 42°
Print Contrast	≥ 30%

2D Barcode Scanner (optional)	
Decoded Mode	1D: EAN/UPC, GS1 Databar, RSS, Code 39, Code 128, UCC/ EAN 128, ISBN, ISBT, Interleaved, Matrix, Industrial and Standard 2 of 5, Codabar, Code 93/93i, Code 11, MSI, Plessey, Telepen, postal codes. (Australian Post, BPO,Canada Post, Dutch Post, Japan Post, PostNet, Sweden Post) 2D: Data Matrix, PDF417, Micro PDF 417, Coda block, Maxicode, QR, Aztec, GS1 Composite codes, Direct Part Marking Reading multicodes and barcodes on mobile phone screens available.
Scan Rate	1D: 120 fps, 2D: 60 fps
Scan Angle	Horizontal: 34.4° ; Vertical: 22.2°
Optical Resolution	752(H) x 480(V) pixels
Print Contrast	≥ 30%

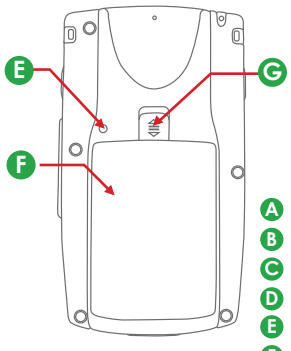
RFID Reader (optional)	
Frequency	13.56MHz ±7KHz
Reading Range	Within 30mm depending on type of tags
Protocol	ISO 15693, 14443A, 14443B, 1800-3 mode-1

• Outlook

Front

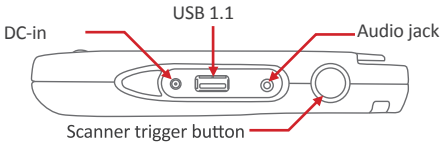


Back



- A Magnetic Stripe Reader
- B Programmable buttons
- C Suspend/ Resume
- D Speaker
- E Power button
- F Battery
- G Battery pack lock

Right



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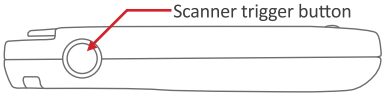

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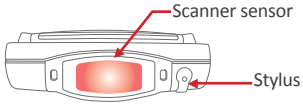

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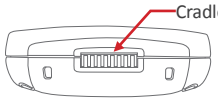

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