

DATA CAPTURE SPECIFICATIONS:

MSR	
Reference Standard	- ANSI/ISO Standards 7810,7811-1/6, 7813 - JIS X6301, X6302 - AAMVA
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)
Life	Electronics: 125,000 hours; Head: 1,000,000 passes
RFID	
Frequency	13.56MHz ±7KHz
Reading Range	within 30mm depending on type of tags
HF RFID Reader	ISO 15693, 14443A, 14443B, 18000-3 mode-1
Barcode Scanner (2D)	
Decode 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, Codablock, Maxicode, QR, Aztec, GS1 Composite codes, Direct Part Marking Reading multicode and barcodes on mobile phone screens available
Scan Rate	2D mode: 56 images per second, auto adaptive; Linear (1D) emulation mode: 200 images per second, auto adaptive
Scan Angle	Horizontal: 38.9°; Vertical: 25.4°
Optical Resolution	752 (H) x 480 (V) pixels, 256 gray levels
Print Contrast	Down to 30%
Versions	Standard range and high density

* Specifications subject to change without notice.

DT415SC-MD

BASIC OPERATION GUIDE



ENGLISH

INTRODUCTION

Thank you for acquiring the DT415SC-MD, part of the DT Research Medical Handheld Terminal line. The DT415SC-MD offers a 3.5" outdoor-viewable touch screen, MSR, and optional RFID and barcode scanner in a compact and lightweight package. The DT415SC-MD enables efficient point-of-service applications, inventory management, and field services. With IP54 sealed front panel, the DT415SC-MD performs well inside and outside.

The DT Research Medical Handheld Terminal provides the precise features needed to streamline operations and improve productivity, data accuracy, and service.

PACKAGE CONTENTS

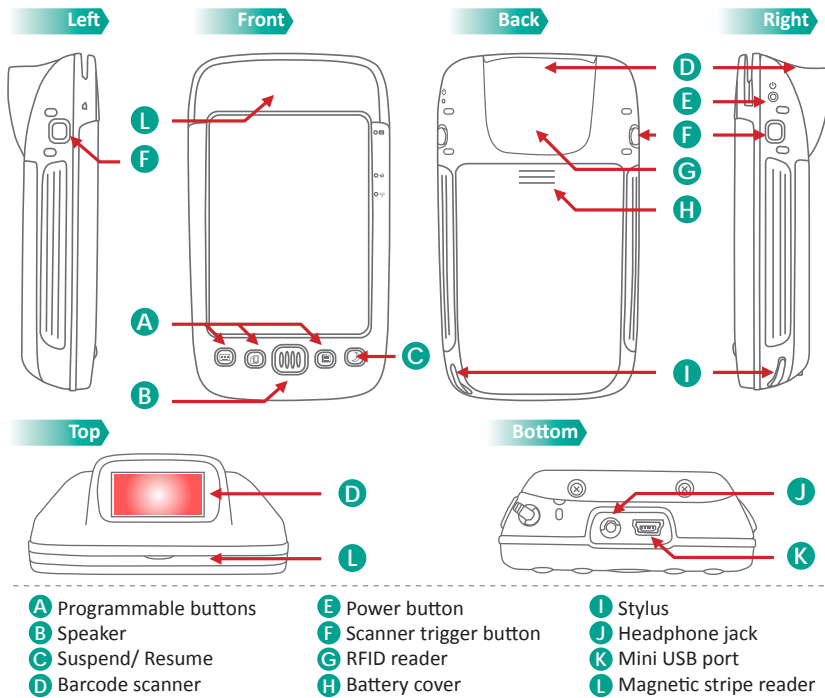
1. One DT415SC-MD
2. Basic operation guide
3. Stylus lanyard and hand strap

* The actual package contents may vary depending on the configuration acquired.







PRECAUTIONS

- Always exercise care when operating and handling the DT415SC-MD.
- Do not disassemble any portion of the DT415SC-MD as this will void any product warranty on DT415SC-MD.
- Do not use any power adapter or charging cradle other than the one provided with the device or acquired from the manufacturer or its partners.
- In the unlikely event that abnormal noise, strange odor, or smoke is present, immediately power down the DT415SC-MD and disconnect all power sources. Please report the problem to your device provider immediately.

DT415SC-MD Outlook



Button Functions

-  Enable/ disable soft keyboard (Programmable)
-  Programmable
-  System Utility
-  Suspend/ Resume
- Hold  + press  Touch screen calibration

DT415SC-MD LED Status Indicators

1. Magnetic Stripe Reader Status Indicator:

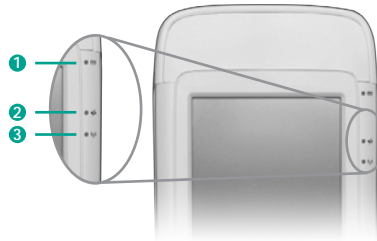
- Blue: Ready to read
- Blinks Blue once: Reading data
- Blinks Orange once: Data not read

2. Power Mode Status Indicator:

- Blue: Device is powered on
- Blinking Blue: Main battery charging
- Orange: Low battery mode
- Blinking Orange: Extremely low battery mode
- Off: Device is powered off or in suspend mode

3. Wi-Fi Status Indicator:

- Blue: The device has been connected to a wireless AP
- Blinking blue: The device is connecting to a wireless AP
- Off: Wi-Fi is disabled



ACCESSORIES:

**AC-DC Adapter** PN: ACC-410-03

Used to charge handheld battery, and pass through power for charging cradle.

Handstrap PN: AAC-010-14

Designed to let user securely grip the terminal.

USB Cable PN: ACC-410-05

For data transmission and charging device battery.

SPECIFICATIONS

System	
Processor	ARM 800 MHz
RAM	512MB
Storage	4GB Flash
Operating System	Microsoft® Windows® CE 6.0 or Windows® Mobile 6.1
Display	3.5" TFT-LCD with resistive touch; outdoor-viewable display
Display Resolution	240 x 320 (QVGA)
Network Interface	Built-in IEEE 802.11a/b/g/n WLAN, Bluetooth 2.1 with EDR
Control Switch and Buttons	1 power button, 4 front buttons, 2 trigger buttons
Indicator	1 power-on LED indicator, 1 WLAN enable/ communication indicator, 1 MSR indicator
Speaker	Built-in speaker
Input/Output Ports	1 mini USB (for charging and ActiveSync only), 1 headset jack
Power	
AC/DC Adapter	Input: 100 – 240V AC; Output: 5V DC, 2A
Battery Type	Li-ion battery 3760 mAh, 3.7V
Mechanical	
Enclosure	PC+ABS, TPR
Stylus	Non-electronic tip
Dimensions (H x W x D)	5.5 x 3.1 x 1.4 in/ 140 x 81.8 x 36.5 mm
Weight	0.69 lbs/ 314 g
Environmental	
Regulatory	FCC Class B, CE, C-Tick, RoHS compliant
Water and Dust Resistance	Front Panel: IP54
Temperature	Operation: 0°C - 40°C; Storage: -20°C - 60°C
Humidity	0% - 90% non-condensing

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