

SM-100 Data Terminal Specification



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SM-100 Rugged Portable Data Terminal. IP54 rugged for tough environments. The SM-100 is well suited for any data collection application with options including WLAN 802.11 b, Bluetooth, Barcode, RFID & ample I/O to increase data storage.

Features

- Operating system supports 1000 API, DB & SQL commands
- Application development in MS Visual C++ environment
- SDK supports windows based emulator. Web browser included.
- IP54 Rugged Mobile Data Terminal. Dust and waterproof.
- Data collection includes Built-in HF RFID & Barcode 1D/2D
- WLAN 802.11 b or Bluetooth Class 1 for wireless networking
- USB host of external I/O for easy data storage
- Small form factor 198 x 79 x 51 mm 320g

Applications

- Healthcare: Patient ID Monitoring
- Transportation: GPS Tracking, Dispatch and Routing
- Field Use: Remote order entry and tracking, location tracking
- Retail: Supply Chain, Mobile POS, Inventory Management, RFID
- Public Safety: On-site data collection and database
- Hospitality: Salesforce Automation, RFID Entry/Access log

SM-100 Ruggedized PDA Specifications (Optional Bar Code and RFID Reader/Writer)

- **Processor:** 32 bit CPU with 64 MB ROM
- **Operating System:** Proprietary with GUI supports English, German, French, Italian, Spanish, Portuguese, Dutch, Chinese
- **Application Development:** SDK Microsoft Visual C++ development environment
- C language. Library of 1000 API commands quickly generates routine functions.
- PC-based emulation tool verifies 90% of applications before downloading to terminal.
- OS supports DB & SQL includes text mode web browser.

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SM-100 Data Terminal Specification

- **Core Flash Memory:** 8MB
- **Data Flash Memory:** 8MB on board
- **SDRAM:** 8MB on board (up to 32 MB)
- **Display:** 2.35" FSTN w/Touch Panel Blue EL Backlight 160 x 160 16 gray-scale
- **Wireless Communication (Options):** Built-in 802.11 b WLAN Module
Bluetooth class 1 or 2
- **Data Collection (Options):** 1D Laser Scan
2D Scan Engine
13.56 RFID Tag/Card Reader/Writer Module ISO 15693 Range >7 cm
- **External I/O Interfaces:**
 - 1 x USB 1.1 Host (Mini A)
 - 1 x LIF Type Connector Supports RS232, USB Client, DC in & Cradle Connector
 - 1 x IrDA 1.2 Compliant SIR Supports Transfer at 20~30 cm
 - 1 x Internal Buzzer
 - 1 x Audio Jack for Mono Headphone
- **LED Status Indicators:** Red LED: Red when charging
Green LED: Flashes on successful scan of barcode/tag
Blue LED: Blue when wireless active
- **Power:** Swappable Li-ion 3.7V 1850 Mah Operating time 8Hrs Adapter
- **Power:** Universal AC 100V~240V, 50~60 Hz input 6V
- **Ruggedization:** IP 54 1.2 meter drop to concrete
- **Temperature:** Operating Temperature -10 to +60 C
Storage Temperature -20 to +70 C
Operating Humidity 10% ~ 90% non-condensing
- **Accessories:** Synchronization Cable, (RS232/USB Client) AC-Adapter & Power Cord
- **Accessories:** Stylus, Cradle (Optional)
- **Physical:** Dimensions 198 x 79 x 51 mm 320g
- **Cradle:** LED DC-in Jack, 1 x USB type B 2 x USB type A
1 x RS232/422/485 1 x PAD Connector
- **Certification:** CE, FCC, cUL/UL

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