

PRODUCT DATASHEET

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Datasheet begins on next page.

BE905A2

Mobile Data Terminal

Features

- TI 1GHz 32-bit ARM Cortex-A8 Single Core CPU
- 512MB LPDDR
- eMMC 4.41 I/F 8GB
- Android 2.3 OS
- Support SD/SDHC Card
- 7" TFT LCD with 800x480 Resolution
- 4-wired Resistive Touch Panel
- 1xRS232C, 1xCAN BUS
- ADC, GPIO, USB 2.0 Device, USB 2.0 Host
- Built-in Light Sensor
- On Board 3G/GPS Module (optional)
- 6xUser Defined Programmable Key Pad
- DC 11V~30V Power Requirement
- Built-in Battery Charger Circuit
- With Car Mount
- Internal 2W Speaker



Hardware Specifications

Processor

- TI 1GHz Single Core CPU (32-bit ARM Cortex-A8)

OS

- Android 2.3

System Memory

- LPDDR-400 512MB

Internal Storage

- eMMC 4.41 I/F 8GB

External Storage

- Support SD/SDHC Card Slot
- Up to 32GB

Display

- 7" TFT LCD 800x480 WVGA
- With LED Backlight
- Backlight Auto-adjustment by Light Sensor
- 4-wired Resistive Touch Panel

Telecom (optional)

- Hexa-Band UMTS(800/850/900/1700/1900/2100 MHz)
- HSPA: HSUPA 5.6 Mbps, HSDPA 7.2 Mbps
- Quad-band GSM (850/900/1800/1900 MHz)
- GPRS Class 33, CS1-CS4 107 Kbps
- EDGE Class 33, MCS1-MCS9 296 Kbps

GPS (optional)

- 50-channel Receiver Engine

Certification

- RoHS, Reach, WEEE, CE, FCC, E-MARK, UL

USB

- 1xUSB 2.0 Host, 1xUSB 2.0 Device

External I/O

- Support ADC (2xChannel, 10-bits Resolution)
- Support GPIO (2xGP Input, 2xGP Output)
- Support RS232C (5-Wired UART)
- Support CAN BUS (2.0b with ISO 11898-1)

Key Pads

- 7xUser Defined Programmable HotKey
- 1xPower Key

Audio

- Internal 2 Watt Speaker (Mono)
- Internal Microphone
- External 3.5mm Mono Headset Jack (Mic/Earphone)

Power Supply

- DC 11V~30V
- Internal Li-Polymer Battery of 2500 mAh

Operation Temperature

- -20 °C ~ +70 °C

Chassis

- Industrial grade, IP54 (MDT+Power Cord)

Dimension

- 190mm(W)x140mm(H)x35mm(D)

Weight

- 795g (w/ battery)
- 695g (w/o battery)

