

MOBILE DATA TERMINAL



Features

Descriptions

All-in-one design,

Optional modules including 1D/2D barcode scanning, RFID cards/tags reading under UHF protocols, Wi-Fi/GPRS/Bluetooth communication, GPS positioning and image capturing.

More Rugged with Higher industrial Standard

Rugged structure with IP64 rating. Better dust/water-proof capacity and 1.5m drop survival to concrete to ensure high performance under extremely environments.

Expansibility & Customization

Various function modules such as infrared, fingerprint, thermal printer can be integrated according to specific project requirements. The UHF working frequency can be customized from 840 MHz to 960 MHz

SUMO-I

HANDHELD DEVICE

1Year Warranty

SPECIFICATION SHEET



Performance

CPU: Samsung ARM920T@533MHz
Memory: 128MB RAM/1GB Flash Interfaces:
USB/RS232

Environmental

Operating temperature: -20°C ~ 50°C
Storage temperature: -25°C ~ 70°C
Humidity: 5%RH ~ 95%R (non
Condensing)
Dropping survive: 1.5-meter drop test on six sides
(concrete floor, under operating temperature
range)
Rolling survive: 1,000 times, 0.5 meter, rolling by
six contact surfaces
Environmental sealing: IP64

Wireless WAN

Network (WWAN): GPRS/GSM
(900MHz/1,800MHz)

Wireless LAN

WIFI: muRata IEEE802.11b/g

Wireless PAN (optional)

Bluetooth: Class II, 3-5M

1D laser scanner (Symbol SE955)



Physical characteristics

Dimensions: 186.5 (L) mm * 75 (W)mm * 48(H)
mm (with standard battery)
Weight: 500g(with battery)
Screen: 3.2" QVGA backlight TFT-LCD, 65K colors.
240 x 320 (QVGA size)
Touch panel: glass analog resistive touch
Backlight: LED backlight
Battery: rechargeable li-ion polymer battery
(3.7V/4,000mAh)
Expansion slots: support SIM/SAM and Micro SD
(TF) card
Indicator: LED
Input method: touch input with stylus and soft
keyboard input
Audio: 0.5 watt
Keys: numeric, full alphanumeric
Programming environment
.NET and C++ programming using Microsoft Visual
Studio 2005&2008; Software Development Kits
(SDK) provided
Operating system
Windows Embedded CE 6.0 core
Windows Embedded CE 6.0 pro

2D scan engine (Symbol SE4500)

Types: 1D: all major codes;

2D:PDF417, Micro PDF417,Composite,RSS,TLC-
39,Datamatrix, QR Code, Micro QR Code, AZTEC,
Maxi Code; Postal

Codes: US Post Net, US Planet, UK Postal, Australian
Postal, Japan Postal Dutch Postal(KIX).



RFID:

Operating frequency: 13.56MHz
Protocol standard: ISO14443A/15693
Read/write range: 2cm ~ 10cm

GPS:

Module: u-blox NEO-5Q
Performance: 50-channel u-blox 5 positioning
engine internal GPS

Localization Time: hot start-1sec, warm start-
38secs, cold start-42 secs.

Accessories: battery, charger/adapter, data
cables,stylus, hand starp, 2G Micro SD(TF) card,
protective film

Optional: cardle, thermal printer