

# Mobile Data Terminal C2000W

High Industrial-Class, Multi-modules Customized, Multifunction Rugged Handheld Computer



Features	Description
“ALL IN ONE” Design	Optional modules including 1D/2D barcode scanning, RFID cards/tags reading under HF protocols, Wi-Fi/GPRS/Bluetooth communication.
More Rugged with Higher Industrial Standard	Rugged structure with IP54 rating, better dust-/wafer-proof capability and 1.5 m drop survival to concrete to ensure high performance under various extremely environments.
Expansibility & Customization	Various function modules such as barcode scanner, RFID reader, thermal printer can be integrated according to specific project requirements.



## Parameters of C2000W



### HF

Operating frequency: 13.56 MHz

Protocol: ISO14443A/B, 15693 (optional)

Read/write range up to: 3.15 in (8 cm)



### Wireless PAN

Bluetooth: Class II, 3-5 M



### Camera

Samsung 3.2 mega pixels, 2048 (H)\*1536

(V), QXGA



### Thermal printer

Size: 118\*99\*55 mm

Communication: Bluetooth 2.0; RS232

Paper width: 78 mm

Accessories: thermal paper, carrying case, power adapter, battery



### 2D scan engine

Brand: Symbol SE4500

Types:

**1D:** all major codes;

**2D:** PDF417, MicroPDF417, Composite, RSS, TLC-39, Datamatrix, QR code, Micro QR code, Aztec, MaxiCode;

**Postal Codes:** US PostNet, US Planet, UK Postal, Australian Postal, Japan Postal Dutch Postal (KIX)

### Accessories

**Standard:** battery, charger/adapter, data cables, stylus, carrying case, hand strap, 2G micro SD (TF) card, protective film

**Optional:** thermal printer

Refer to Accessories Appendix



### Wireless WAN

**Network (WWAN):** Wavecom GPRS/GSM

900/1800 MHz



### Wireless LAN

**WiFi:** muRata IEEE802.11b/g

## Physical characteristics

Dimensions: 145\*65\*30 mm

Weight : < 300 g (with battery)

Screen: 2.8" QVGA backlight TFT-LCD, 262,144

colors. 240 x 320 (QVGA size)

Touch panel: glass analog resistive touch

Backlight: LED backlight

Battery: rechargeable li-ion polymer battery (3.7

V/2,800 mAh)

Expansion slots: SIM/SAM, Micro SD (TF) card

Indicator: LED

Input method: touch input and keyboard input

Audio: 0.5 watt

Keyboard: numeric, QWERTY

## Programming environment

.NET and C++ programming using Microsoft Visual

Studio 2005&2008 or higher

Software Development Kits (SDK) provided

## Operating system

Windows Embedded CE 6.0 core

Windows Embedded CE 6.0 pro

## Environmental

Operating temperature: -20 °C ~ 50 °C

Storage temperature: -25 °C ~ 70 °C

Humidity: 5% RH ~ 95% RH (non-condensing)

Dropping survive: 1.5-meter drop test on six sides

(concrete floor, under operating temp)

Rolling survive: 1,000 times, 0.5 meter, rolling by six

contact surfaces

Environmental sealing: IP54

## Performance

CPU: Samsung ARM920T@533 MHz

Memory: 128MB RAM/1G Flash

Expansion Memory: 4G TF (standard), maximum 8G

Interfaces: USB 2.0; RS232

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