

# CHAINWAY C5000

## Handheld Data Terminal



### FEATURES

- **Expansive Module Design**
- **Hi-speed Barcode 2D/1D**
- **RFID LF/HF/UHF Bands**
- **Fingerprint Module**
- **Sunlight Readable LCD**
- **More Wireless Options**
- **Higher IEC IP64 Rated**
- **C#, C++, VB.NET**

CHAINWAY C5000 handheld data terminal was marked with compact size, portability, durability, functionality and flexibility, which is customized for enterprise administrative personnel and mobile staff, as well as business application and IT demands. C5000 integrates scanning engine, RFID data capture, wireless transmission with the conception of ALL IN ONE.

With C5000, workers in various fields (such as logistic expressage personnel, medical care personnel in the hospital, retail management personnel and warehouse management personnel) are able to enjoy economic efficient data collection service so as to realize simplification of task, improvement of work efficiency shortening of responsive time to customers and enhancement of customer service.

A set of advanced data capture module in various

business fields can obtain abundant and accurate data automatically, matching the verified module with responsive staff. You can now choose either 1D laser scanner with highest performance or 2D imager scanner capable of collecting 1D/2D barcodes to meet the high demand for barcode scanning. And add the 3.2 mega pixels camera to capture any necessary photograph at site.

CHAINWAY C5000 adopts industrial standard, a great amount of mobile solutions can be achieved with this device. Workers can enjoy a convenient and light-hearted working state with this model. The reduced deployment complexity greatly saves the operational cost, as well as significantly improves the work efficiency. For that, CHAINWAY C5000 can bring you the greatest return on investment.

# Handheld Data Terminal C5000



1D Barcode



2D Barcode



RFID



GPRS



GPS/AGPS



Camera



Bluetooth



Wi-Fi

## Accessories

### Standard



AC adapter



USB cable



Carrying case



Stylus Passive



Rechargeable Battery

### Optional



Single unit charger



Serial cable



Cradle

## PHYSICAL CHARACTERISTICS

Dimension	188 × 78 × 39mm / 7.40 × 3.07 × 1.54in.
Weight	342g / 12.06oz. (includes battery)
Display	3.2" TFT-LCD touch screen with backlight, 65K colors, 240 W x 320 L (QVGA)
Keypad	Numeric / full A-Z alphanumeric (Optional)
Battery	Rechargeable Li-ion polymer battery 4000mAh
Expansion slot	1PSAM, 1SIM/PSAM
Audio	0.5Watt speaker
Interfaces	USB2.0 Device, RS-232

## PERFORMANCE CHARACTERISTICS

CPU	Samsung ARM920T@533MHz
RAM	128MB
Storage	1GB Flash, MicroSD (Max.32GB expansion)

## PROGRAMMING ENVIRONMENT

Operating System	Windows Embedded CE6.0 Core Windows Embedded CE6.0 Pro (Optional)
SDK	Chainway software development kit
Language	C#, C++, VB.NET
Tool	Microsoft Visual Studio 2005/2008

## USER ENVIRONMENT

Operating Temp.	-20 to 50°C / -4 to 122°F
Storage Temp.	-25 to 70°C / -13 to 158°F
Humidity	5% - 95%RH (Non-condensing)
Sealing	IP64, IEC Compliance
Drop Spec.	1.5m / 4.9ft. drop to concrete, 6 drops per 6 sides over operating temperature range

## COMMUNICATION

WLAN	Wi-Fi IEEE802.11b/g
WWAN	GPRS 900 / 1800MHz or 850 / 900 / 1800 / 1900MHz
WPAN	Bluetooth Class v2.0+EDR, range 5 - 10m / 16.40 - 32.80ft.

## CAMERA (OPTIONAL)

Samsung 3.2MP camera 2048(H)×1536(V), QXGA

## GPS (OPTIONAL)

GPS/AGPS u-blox NEO-6M low energy GPS chip

## PSAM SECURITY (OPTIONAL)

Baud rate	9600, 19200, 38400, 43000, 56000, 57600, 115200
Protocol	ISO7816
Slot	2 slots (maximum)

## BARCODE SCANNER

### 1D Linear Scanner (Optional)

1D Laser/CCD	Symbol SE955 / SE655
Symbologies	All major 1D barcodes

### 2D Imager Scanner (Optional)

2D CMOS laser scanner	Symbol SE4500
Symbologies	Data Matrix, QR Code, Aztec Code, PDF417, US Planet, UK Postal, etc.

## RFID READER

### LF (Optional)

Frequency	125kHz, 134kHz (FDX-B / HDX)
Protocol	ISO11784/5
Chips	1) R/O ID eg. EM4100/4200, TK4100 2) R/W ID eg. EM4305/HITAG S
	3) Animal tags
	4) Others for customization
R/W range	2 - 8cm (FDX-B), 2 - 16cm (HDX)

### HF (Optional)

Frequency	13.56MHz
Protocol	ISO14443A/B, ISO15693
Chips	1) M1(S50/S70), M0(Ultralight), M3(Desfire D40/D41/D81), CPU_A 2) CPU_B
	3) ICODE II, Ti2048, LR164K
	4) Others for customization
R/W range	2 - 8cm / 0.79 - 3.15in.

### UHF (Optional)

Frequency	865 - 868MHz / 920 - 925MHz
Protocol	EPC C1 GEN2 / ISO18000-6C
Antenna	Linear polarization (2dBi)
Power	1W (+10dBm to +30dBm)
Range	1 - 3m / 3.28 - 9.84ft. (tags and environment dependant)

### HID iCLASS SE (Optional)

Frequency	13.56 MHz, 125 kHz
Protocols	ISO14443A/B ISO15693, FeliCa™ (IDm), CEPAS (CSN), HID Prox
Chips	MIFARE Classic®, MIFARE DESFire® 0.6, MIFARE DESFire® Ev1, HID: iCLASS® Standard/SE/SR/Seos; PIV II, Secure Identity Object™ (SIO), HID Prox card

## BIOMETRIC FINGERPRINT (OPTIONAL)

Sensor	TCS2SS
Sensor type	capacitive, area sensor
Function	Enrollment, compare, deletion etc.
Resolution	508DPI
Memory	1,000 PCS fingerprints

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