CHAINWAY C3000

Industrial Data Terminal

Features

- **Higher Expansive Modules**
- **HI-speed Barcode 2D/1D**
- **RFID LF/HF/UHF Bands**
- **Plug&Play FP Adapter**
- **Larger Display 3.5"**
- **More Rugged (Device)**
- **3G Connection Options**
- **Black/White Color Choice**

CHAINWAY C3000 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.

C3000 integrates RFID LF, HF, UHF read/write module, Scanning engine, GPRS, GPS, Bluetooth, WI-FI, Camera with 5.0MP, etc. With C3000, 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 5.0 mega pixels camera with auto-focus to capture any necessary photograph at site.

CHAINWAY C3000 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 C3000 can bring you the greatest return on investment.

Industrial Data Terminal
C3000

1D Barcode	2D Barcode	RFID	Fingerprint	GSM/3G	GPS/AGPS	Camera	Bluetooth	WI-FI

Accessories
Standard

AC adapter

Main battery

Snap-on

USB cable

Stylus passive

Optional

Cradle

Fingerprint snap-on

Carrying case

Pistol grip

PHYSICAL CHARACTERISTICS

Dimension	154 × 77 × 31mm / 6.06 × 3.03 × 1.22in.
Weight	330g / 11.64oz. (includes main battery)
Display	3.5 in. 240 × 320 px. TFT-LCD with backlight, 65K colors
Keypad	Numeric or full alphanumeric, 3 side buttons
Battery	Main bat. rechargeable li-ion battery 3200mAh Pistol bat. rechargeable li-ion battery 5200mAh (with pistol grip)
Expansion slots	1PSAM, 1SIM / PSAM
Audio	0.5Watt speaker
Interfaces	USB Micro-B, Client mode/Host mode (Optional) USB Mini-B (Optional), RS-232 interface

PERFORMANCE CHARACTERISTICS

CPU	Cortex-A8, 800MHz
RAM	256MB RAM
Storage	4GB iNAND 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.	-10 to 50°C / 14 to 122°F
Storage Temp.	-40 to 70°C / -40 to 158°F
Humidity	5% - 95%RH （Non-condensing）
Tumble Spec.	1,000times, 0.5m/1.6ft tumbles, in accordance with IEC tumble specification
Sealing / Drop Spec.	IP64 or IP65(Optional); multiple 1.5m/3.9ft drops over operating temperature range, in accordance with MIL-STD 810G
ESD	+/-15kv VDC air discharge +/-8KV VDC direct discharge

COMMUNICATION

WLAN	WI-FI IEEE802.11b/g or IEEE802.11b/g/n enterprise (Optional)
WWAN	GPRS 900/1800MHz or 850/900/1800/1900MHz or WCDMA (900 / 2100 MHz) or WCDMA (850 / 2100 MHz) or WCDMA (850 / 1900 MHz) or CDMA2000 EVDO: 800MHz
WPAN	Bluetooth Class v2.0+EDR, range 5 - 10m

CAMERA (OPTIONAL)

5.0 mega pixels, auto focus

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	PDF417, MicroPDF417, Composite, RSS, TLC-39, Datamatrix, QR code, Micro QR code, A ztec, MaxiCode; Postal Codes: US PostNet, US Planet, UK Postal, Australian Postal, Japan Postal, Dutch Postal (KIX), etc.

RFID READER

LF (Optional)

Frequency	125kHz, 134kHz (FDX-B / HDX)
Protocol	ISO11784/5
Chips	1) R/O ID card eg.EM4100/4200, TK4100 2) R/W ID card 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) M1card (S50/S70), M0 (Ultralight), M3 (Desfire D40/ D41 / D81), CPU_A card 2) CPU_B card 3) ICODE II, TI2048, LRI64K 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	Option1, 1 to 3m/3.28 to 9.84ft. / Option2, 1 to 5m/3.28 to 16.4ft. (tags and environment dependant)

BIOMETRIC FINGERPRINT (OPTIONAL)

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

PSAM SECURITY (OPTIONAL)

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

GPS (OPTIONAL)

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

ISO ISO9001 certified   CE   CCC   RoHS