

CHAINWAY C4000

Industrial Data Terminal



Features

- Android 4.x OS
- Google Play Market
- Larger Screen 4"
- Dual-battery System
- Higher Expansive Modules
- HI-speed Barcode 2D/1D
- RFID LF/HF/UHF Bands
- Plug&Play FP Adapter

CHAINWAY C4000 is a series of Android powered smart terminals, with data capture, data processing, wireless communication PDA. It is with high reliability & high expansibility. Auto & Accurate data collection is achieved in various business field via a complete solution of premium options, the flexible solution among options and operators is suited-up. You will find out the enterprise with C4000, much easier deployment, reduced complexity, decreased maintenance, which are beneficial for enterprises.

Meeting industrial standards, designed to support various mobile solutions. With the build-in high performance Cortex-A9 1GHZ dual core processor technology, workers can enjoy a convenient and light-hearted working state with this model.

C4000 will be the ideal choice for key-fact business in mobile solutions, for simplified task flow, enhanced work efficiency, shortened responsive time to customer. C4000 meets industrial level IP64 (IEC sealing), is sufficient to routine applications like railway inspection, road parking toll, vehicle inspection, logistics express, power inspection, warehousing management, chain retail, etc. Whether the mobile operators are working indoor or outdoor, with C4000, your business is always connected and highly efficient on-line.

CHAINWAY C4000 comes with world wide band WCDMA 3G technology. Multi-channels data and voice communication guarantees the real-time communication and data efficiency, C4000 brings you the best return on investment.

Industrial Data Terminal C4000



Accessories Standard



AC adapter



Snap-on



USB cable

Optional



Cradle



Fingerprint snap-on



Carrying case



Pistol grip

PHYSICAL CHARACTERISTICS

Dimension	153 × 75 × 29mm / 6.02 × 2.95 × 1.14in.
Weight	330g / 11.64oz. (includes main battery)
Display	4 in. WVGA (480 × 800) TFT-LCD, capacitive dual touch
Keypad	3 function buttons, 3 side buttons, 4 TP touch key-press buttons
Battery	Main bat. rechargeable li-ion battery 3200mAh Pistol bat. rechargeable li-ion battery 5200mAh (with pistol grip)
Expansion slots	1PSAM, 1SIM
Audio	0.5Watt speaker, build-in microphone
Interfaces	USB Micro-B, serial port RS-232 (TTL)

PERFORMANCE CHARACTERISTICS

CPU	Cortex-A9 1GHz Dual Core
RAM	1GB RAM
Storage	4GB FLASH, MicroSD max.32GB expansion

PROGRAMMING ENVIRONMENT

Operating system	Android 4.0.4
SDK	Chainway software development kit
Language	Java
Tool	eclipse

USER ENVIRONMENT

Operating Temp.	-10 to 50°C / 14 to 122°F
Storage Temp.	-40 to 70°C / -40 to 158°F
Storage Temp.	5% - 95%RH (Non-condensing)
Tumble Spec.	1,000times, 0.5m/1.64ft tumbles, rolling by six contact surface, meets and exceeds MIL-STD810G
Sealing / Drop Spec.	IP64; 1.2 meter drop to concrete, 6 drops per 6 sides over operating temperature range
ESD	+/-15kv VDC air discharge +/-8KV VDC direct discharge

COMMUNICATION

WLAN	Wi-Fi IEEE802.11b/g/n
WWAN&Voice	GPRS (EDGE, 850/900/1800/1900MHz) WCDMA / HSDPA / HSPA+ (850 / 1900MHz or 850 / 2100MHz) GSM / GPRS / EDGE (850 / 900 / 1800 / 1900MHz)
WPAN	Bluetooth specification v2.1+EDR Bluetooth specification v3.0+HS compliance Bluetooth v4.0 Low Energy (LE)
GPS	GPS (Embedded A-GPS)

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	TCS255
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)

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