



C3000

Mobile Computer



Windows



3G



WiFi



Bluetooth



1D Barcode



2D Barcode



RFID



Fingerprint



PSAM



Camera



GPS

Chainway's C3000 is a WindowsCE-based rugged mobile computer, featuring powerful 800MHz processor and battery performance. It is IP65 rated, and the contained dust and water proof structure ensures its high ruggedness. It is perfect for retail, warehouse management, logistics, asset tracking, fleet management, animal management and etc.



Specification

Physical Characteristics

| | |
|----------------|--|
| Dimensions | 154mm x 77mm x 31mm/ 6.06 x 3.03 x 1.22in |
| Weight | 345g/ 12.17oz |
| Display | 3.5" QVGA (240*320), 6.5M colors |
| Touch Panel | Rugged resistive touch panel |
| Power | Main battery: Li-ion, 3200mAh |
| | Pistol battery: Li-ion, 5200mAh (Optional) |
| Expansion Slot | 1 PSAM, 1 SIM/PSAM, 1 MicroSD (TF) slot |
| Interfaces | MicroUSB (OTG) |
| Audio | 0.5W speaker |
| Keypad | Numeric / Qwerty |

Performance

| | |
|-----------|-----------------------------------|
| CPU | Cortex-A8 800MHz |
| RAM+ROM | 256MB+4GB |
| Expansion | Supports up to 32GB Micro SD card |

Developing Environment

| | |
|------------------|-----------------------------------|
| Operating System | Windows Embedded CE 6.0 |
| SDK | Chainway Software Development Kit |
| Language | C++, C#, VB.NET |
| Tool | Visual Studio 2005/2008 |

User Environment

| | |
|----------------------|--|
| Operating Temp. | -4°F to 122°F / -20°C to 50°C |
| Storage Temp. | -40°F to 158°F / -40°C to 70°C |
| Humidity | 5%RH - 95%RH non condensing |
| Drop Specification | Multiple 1.5m drops to concrete across the operating temperature range |
| Tumble Specification | 1000 x 0.5m/1.64ft falls at room temperature |
| Sealing | IP65 per IEC sealing specifications |

Communication

| | |
|-----------------|--------------------------------------|
| WLAN | IEEE802.11 a/b/g/n |
| | GPRS (850/900/1800/1900MHz) |
| | WCDMA (900/2100MHz) |
| WWAN (Optional) | WCDMA (850/2100MHz) |
| | WCDMA (850/1900MHz) |
| | CDMA2000 EVDO: 800MHz |
| | |
| Bluetooth | Bluetooth 2.0+EDR |
| GPS (Optional) | UBLOX NEO-6M (Low power consumption) |

Fingerprint (Optional)

| | |
|--------------------|---|
| Functions | Fingerprint enrollment, match, storage etc. |
| Sensor | TCS1 / TCS2SS (Capacitive) |
| Image Size (pixel) | TCS1: 256*360; TCS2SS: 208*288 |
| Sensing Area (mm) | TCS1: 12.8*18; TCS2SS: 10.4*14.4 |
| Resolution (dpi) | 508 |
| Standard | TCS1: FIPS, STQC; TCS2SS: ISO |

Barcode Scanning (Optional)

| | |
|-----------------------|---|
| 1D Linear Scanner | |
| 1D Laser / CCD | Honeywell N4313/ Zebra SE965 |
| Symbologies | UPC/EAN, Code128, Code39, Code93, Code11, Interleaved 2 of 5, Discrete 2 of 5, Chinese 2 of 5, Codabar, MSI, RSS, etc. |
| 2D Imager Scanner | |
| 2D CMOS Laser Scanner | Zebra SE4500 |
| Symbologies | 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), etc. |

RFID (Optional)

| | |
|----------------------------|--|
| LF | |
| Frequency | 125kHz, 134kHz (FDX-B / HDX) |
| Protocol | ISO11784/5, ISO18000-2 |
| Chips | R/O ID card, eg EM4100/4200, TK4100 |
| | R/W ID card, eg EM4305/HITAG S |
| | Animal tags Others for customization |
| Range | 3-8cm |
| LF (with external antenna) | |
| Frequency | 134kHz (FDX-B+HDX) |
| Protocol | ISO11784/5 |
| Chips | Animal tags |
| | Others for customization |
| Range | 3-12cm, external antenna |
| | 3-20cm, with a 75cm extension antenna |
| HF | |
| Frequency | 13.56MHz |
| Protocol | ISO14443A/B, ISO15693 |
| Chips | M1 card (S50/S70), M0 (Ultralight), |
| | M3 (Desfire D40/D41/D81), CPU_A card |
| | CPU_B card |
| | ICODE II, TI2048, LRI64K Others for customization |
| Range | 3-8cm |

* For the UHF specifications, please check C3000UHF specification sheet

Other Modules (Optional)

| | |
|--------|--|
| Camera | 5MP Autofocus |
| PSAM | ISO7816 Protocol, 2 PSAM slots (maximum) |

Accessories(See details in Accessory Guide)



AC Adapter



Snap-on



USB cable



Cradle (Optional)



Pistol (Optional)



Fingerprint (Optional)



External antenna (Optional)



Holster (Optional)



Battery



Wristband



Stylus

Notice: Product specifications are subject to change without prior notice. / Model: C3000 / Update Date: 2018-08-28

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