

CDMA Fixed Wireless Terminal

CW2000



Summary

CDMA Fixed Wireless Terminal CW2000 series built-in high performance industrial module supports clear voice, 153.6Kbps packet data access and PC fax.

Unique Functions

- + CDMA2000 1x (compatible with IS-95)
- + Support 450/800/1900MHZ single band
- + Support Clear Voice, CDMA2000 1X Data Service, PC Fax
- + Internet access in maximum 153.6Kbps on Forward/Reverse Links
- + Support billing system
- + Support PBX
- + Ruim card and No Ruim supported
- + Locked to specified operator

Technical Specifications

- + **Standard Compliances**
 - CDMA2000 1x (backward compatible to IS-95)
 - IS-98E
 - QCELP and EVRC Vocoder
- + **Operating Frequency**

• 450M: Tx: 452.5 MHz ~ 456.6 MHz	Rx: 462.5 MHz ~ 466.6 MHz
• 800M: Tx: 824 MHz ~ 849 MHz	Rx: 869 MHz ~ 894 MHz
• 1900M: Tx: 1850 MHz ~ 1910 MHz	Rx: 1930 MHz ~ 1990 MHz
- + **Frequency Stability**
 - $\pm 300\text{Hz}$
- + **RF Output Power**
 - Maximum 0.2W
 - Minimum 10nW (-50dBm)
- + **Environment**
 - Operating temperature range: -10°C to +50°C
 - Storage temperature range: -40°C to + 60°C
 - Humidity: 5% to 95%
 - Atmospheric Pressure: 86kPa~106kPa
 - Ambient Noise: $\leq 60\text{dB (A)}$
- + **Sensitivity**
 - -104dBm @FER 0.5%
 - -101dBm @ FER 1%
- + **Interfaces**
 - SMA Antenna connector
 - DC power input jack
 - USB1.1 Interface (Maintenance and/or Data)
 - Mechanical Power Switch for Complete Power-Off
- + **Antenna**
 - Dipole antenna
 - Vertical polarization, gain 4.5dBi, VSWR ≤ 2
 - Higher gain antennas available (optional)
- + **Battery Backup (optional)**
- + **Operating Voltage**
 - 12.0V, 1000mA DC
- + **Power Supply**
 - Power Supply: 100~240V AC