

CDMA 2000 1x WIRELESS MODULE WITH gpsOne AND DUAL BAND CAPABILITIES

DTG-2000



DTG-2000

World's Smallest CDMA DATA MODULE

DTG-2000 provides not only an inexpensive wireless digital solution, but also gpsOne position location solution which offers wireless callers their location wherever and whenever they need it. Our field proven wireless module will give you an immediate access to the current and future wireless Internet data market

DTG 2000-800

CDMA 800MHz

DTG 2000-1900

CDMA 1900MHz

DTG 2000-Dual

CDMA 800MHz & CDMA 1900MHz

Features

- ▶ CDMA 2000 1x RTT (Qualcomm MSM 6050)
- ▶ BREW
- ▶ Standard RS-232C interface
- ▶ DATA transmission up to 153Kbps
- ▶ Remote control by AT commands
- ▶ Small size: 38mm(W) × 38mm(L) × 5.5mm(H)
- ▶ Built-in TCP/IP stack
- ▶ 2-way SMS
- ▶ 13K QCELP/EVRC
- ▶ Telemetry - specific features
- ▶ Optimized for easy OEM applications
- ▶ LCD/Keypad interface
- ▶ R-UIM/MID/IMP3 interface
- ▶ GPIOs for custom interface
- ▶ Support Circuit Data/Fax
- ▶ External Reset

H/W Specifications

Electrical

- ▶ Full TIA/EIA/IS-98C Compliance
- ▶ Operating voltage : Battery 3.4V ~ 4.3V
External DC 4.0V~5.0V
- ▶ Max Output Power : 0.2~0.3W
- ▶ Current consumption : less than 2mA(sleep), Up to 1A(Traffic)
- ▶ Sensitivity : less than -104dBm
- ▶ Receive Frequency : 869.04 ~ 893.97 MHz (DTG 2000-800)
: 1931.25 ~ 1968.75 MHz (DTG 2000-1900)
- ▶ Transmit Frequency : 824.04 ~ 848.97 MHz (DTG 2000-800)
: 1851.25 ~ 1908.75 MHz (DTG 2000-1900)

Mechanical

- ▶ Dimension : 38mm × 38mm × 5.5mm
- ▶ Weight : 13.5g (0.48 oz)
- ▶ RF connector : MCA type
- ▶ Connector for User Interface : 80 pins

Environmental

- ▶ Operating Temperature : -22~140°F (-20 ~ +50°C)
- ▶ Storage Temperature : -40~176°F (-40 ~ +80°C)
- ▶ Humidity(Operating) : 0%~90% noncondensing, 95°F(35°C)

User Interface

- ▶ Power Input
- ▶ Serial Data Interface(RS-232C)
- ▶ Keypad/LCD Interface
- ▶ R-UIM/MID/IMP3 interface
- ▶ Analog Audio Interface
- ▶ GPIOs for control and status indication

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S/W Specifications

User Interface Software

- ▶ BREW Software Support

Software Stacks

- ▶ CDMA 2000 1x RTT : CDMA 2000 protocol between Mobile and BS
- ▶ IS-95A/B : CDMA Protocol between Mobile and Base Station
- ▶ IS-637 : Short Message Service
- ▶ IS-707- A : 4 : Async Data Service, G3 Fax Service
- ▶ IS-707- A : 5 : Packet Data Service
- ▶ Built-in TCP/IP : AnyDATA Proprietary Software
- ▶ J-STD-008 : PCS Protocol between Mobile and Base Station
- ▶ IS-96A : Voice Signal Coding
- ▶ IS-99 : Circuit-switched Data, Fax
- ▶ IS-657 : Packet Data



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