



AnyDATA AnyTime AnyPlace AnyWireless Data Solutions

800MHz CDMA 2000 1x WIRELESS MODULE WITH gpsOne

DTGS-800



DTGS-800

World's Smallest CDMA DATA MODULE

DTGS-800 is a thin (2.8mm thickness) 800MHz CDMA 1x module, which supports gpsOne, R-UIM and 16bit (65K) color LCD

By using this field proven CDMA module, phone manufacturer can develop various cellular phone models in short period of time at minimum cost.

DTGS-800

CDMA 800MHz

Features

- ▶ CDMA 2000 1x RTT (Qualcomm MSM 6050)
- ▶ BREW
- ▶ gpsOne
- ▶ Standard RS -232C interface
- ▶ DATA transmission up to 153Kbps
- ▶ Remote control by AT commands
- ▶ Small size: 33mm(W) × 53mm(L) × 3.3mm(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/MIDI/MP3 interface
- ▶ GPIOs for custom interface
- ▶ Support Circuit Data/Fax
- ▶ External Reset

H/W Specifications

■ Electrical

- ▶ gpsOne function
- ▶ Full TIA/EIA/IS-98C Compliance
- ▶ Operating voltage : Battery 3.4V ~ 4.3V
External DC 4.0V~5.0V
- ▶ Max Output Power : 0.2~0.3 W
- ▶ Current consumption : less than 2mA(sleep), Up to 1A(Traffic)
- ▶ Sensitivity : less than -104dBm
- ▶ Receive Frequency : 869.04~893.37 MHz
- ▶ Transmit Frequency : 824.04~848.97 MHz

■ Mechanical

- ▶ Dimension : 33mm(W)×53mm(W)×3.3mm(H)
- ▶ Weight : 10g (0.35 oz)
- ▶ RF connector : MCA type
- ▶ Connector for User Interface : 100 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/MIDI/MP3 Interface
- ▶ Analog Audio Interface
- ▶ GPIOs for control and status indication
- ▶ External reset
- ▶ USB interface

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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
- ▶ IS-96A : Voice Signal Coding
- ▶ IS-99 : Circuit-switched Data, Fax
- ▶ IS-657 : Packet Data



Dimension :
33mm × 53mm × 2.8mm



Antenna



100pin Connector



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