



DTG 450

CDMA 2000 1x WIRELESS MODULE



DTG 450

World's Smallest CDMA DATA MODULE

DTG450 provides an inexpensive wireless digital solution. Our field proven wireless module will give you an immediate access to the current and future wireless internet data market

DTG 450
CDMA Cellular

Features

- ▷ CDMA 2000 1X RTT(Qualcomm MSM5105)
- ▷ BREW
- ▷ Standard RS-232C interface
- ▷ DATA transmission up to 153Kbps
- ▷ Remote control by AT commands
- ▷ Small size: 38mm(W) × 38mm(L) × 5.8mm(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

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H/W Specifications

Electrical

- ▶ Full TIA/EIA/IS-98C Compliance
- ▶ Operating voltage: 4.0V±10%
- ▶ Max Output Power: 0.2 ~ 0.3 W
- ▶ Current consumption: less than 2mA(sleep), Up to 1A(Traffic)
- ▶ Sensitivity: less than -104dBm
- ▶ Receive Frequency: 462.5 ~ 467.475 MHz
- ▶ Transmit Frequency: 452.5 ~ 457.475 MHz

Mechanical

- ▶ Dimension: 38mm(W) × 38mm(L) × 5.8mm(H)
- ▶ Weight: 13g (0.45 oz)
- ▶ Antenna connector: TC2 type
- ▶ Module Interface: 100 pins

S/W Specifications

Software Stacks

- ▶ CDMA2000 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

User Interface Software

- ▶ BREW Software Support

Environmental

- ▶ Operating Temperature: -22~140°F(-30 ~ +60° 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
- ▶ MIDI Interface
- ▶ Analog Audio Interface
- ▶ GPIOs for control and status indication
- ▶ External Reset



Antenna



100Pin Connector



AnyDATA

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