



Small and Thin CDMA Module for Smart Phone, Mobile & WLL Phones

DTU-800/450



DTU-800/450

World's Smallest CDMA DATA MODULE

DTU-800/DTU-450 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

DTU-800C / DTU-800

CDMA 800MHz

DTU-450C / DTU-450

CDMA 450MHz

Features

- ▶ CDMA 2000 1X (Qualcomm MSM 6050 /6025)
- ▶ DTU-800C/450C
 - Support Camera/MP3/MIDI interface
 - Flash 128/256Mbit, RAM 64Mbit
- ▶ DTU-800/450
 - Flash 64Mbit, RAM 32Mbit
- ▶ Support BREW
- ▶ gpsOne with MSM6050
- ▶ Standard RS - 232C interface
- ▶ DATA transmission up to 153Kbps
- ▶ Remote control by AT commands
- ▶ Small size: 35.4mm(W) × 44.5mm(L) × 2.6mm(H)
- ▶ Built-in TCP/IP stack
- ▶ 2-way SMS
- ▶ 13K QCELP/EVRC
- ▶ Telemetry - specific features
- ▶ Optimized for easy OEM applications
- ▶ Color LCD/Keypad interface
- ▶ R - UIM/MIDI/MP3 interface
- ▶ GPIOs for custom interface
- ▶ Support Circuit Data/Fax
- ▶ External Reset Interface

H/W Specifications

■ Electrical

- ▶ Full TIA/EIA/IS-98C Compliance
- ▶ Operating voltage : Battery 3.5V ~ 4.4V
External DC 4.0V~5.0V
- ▶ Max Output Power : 0.3 W
- ▶ Current consumption : less than 1.5mA(sleep), Up to 700mA(Traffic)
- ▶ Sensitivity : less than -104dBm
- ▶ Receive Frequency : 869.04 ~ 893.97 MHz (DTU 800)
: 462.5 ~ 467.475 MHz (DTU 450)
- ▶ Transmit Frequency : 824.04 ~ 848.97 MHz (DTU 800)
: 452.5 ~ 457.475 MHz (DTU 450)

■ Mechanical

- ▶ Dimension : 35.4mm x 44.5mm x 2.6mm
- ▶ Weight : 20g (0.7 oz)
- ▶ RF connector : GSC type
- ▶ Connector for User Interface : 100 pins

■ 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

- ▶ Serial Data Interface(RS-232C)
- ▶ DTU-450C/800C
 - Keypad/TFT color LCD /1.3M PIXEL CAMERA Interface
 - MIDI/MP3 Interface
- ▶ DTU-450/800
 - Keypad/CSTN color LCD Interface
- ▶ R-UIM 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
- ▶ WAP 2.0(option)

■ Software Stacks

- ▶ CDMA 2000 1x : 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



Antenna



100pin Connector



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