



# 3G CDMA EVDO MODULE WITH gpsOne AND DUAL BAND CAPABILITIES

# DTEV-Dual



## DTEV-Dual

**Ideal for 3G Smart Phone, Mobile Phone and Wireless Data Products**

DTEV-Dual provides high speed wireless data connection up to 2.4 Mbps. It supports voice, 1.3M pixel camera, MP3, color LCD, SD slot and USB host or slave mode. DTEV-Dual will give you immediate access to 3G wireless market at minimum cost.

### DTEV-800

CDMA 800MHz

### DTEV-1900

CDMA 1900MHz

### DTEV-Dual

CDMA 800MHz and 1900MHz

## Features

- ▶ 3G CDMA EVDO (Qualcomm MSM6500)
- ▶ Support BREW (Option)
- ▶ Simultaneous gpsOne
- ▶ Standard RS-232C interface
- ▶ DATA transmission up to 2.4Mbps
- ▶ Remote control by AT commands
- ▶ Size: 42.0mm(W) × 67.0mm(L) × 3.0mm(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 Interface
- ▶ Rx Diversity

## 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(DTEV2000-800)  
: 1931.25~1988.75 MHz (DTEV2000-1900)
- ▶ Transmit Frequency : 824.04~848.97 MHz (DTEV2000-800)  
: 1851.25~1908.75 MHz (DTEV2000-1900)

### ■ Mechanical

- ▶ Dimension : 42.0mm(W) x 67.0mm(L) x 3.0mm(H)
- ▶ Weight : 17.5g
- ▶ RF connector : GSC type
- ▶ Connector for User Interface : 100 pins

### ■ Environmental

- ▶ Operating Temperature: -4~122 ℉(-20 ~ +50 °C)
- ▶ Storage Temperature: -40~176 ℉(-40 ~ +80 °C)
- ▶ Humidity(Operating): 0%~90% noncondensing, 95 ℉(35 °C)

### ■ User Interface

- ▶ Power Input
- ▶ Serial Data Interface(RS-232C)
- ▶ Keypad/LCD /1.3M PIXEL CAMERA Interface
- ▶ R-UIM/MIDI/MP3 Interface
- ▶ Analog Audio Interface
- ▶ GPIOs for control and status indication
- ▶ External reset Interface
- ▶ USB interface

## World's Smallest 3G CDMA DATA MODULE

# DTEV-Dual

## SW Specifications

### ■ User Interface Software

- ▶ BREW Software Support
- ▶ WAP 2.0(option)

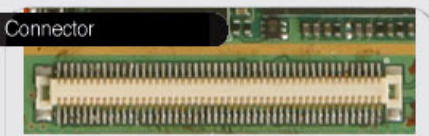
### ■ Software Stacks

- ▶ 3G CDMA EVDO:
- ▶ 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

Antenna



100pin Connector



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