



## EM810U Modem Data Sheet



### Clarity EM810U

#### >>| **WORLDWIDE WIRELESS FOR THE WORLD WIDE WEB\***

EM810U is a quad-band wide area wireless modem supporting all the different frequencies used by EDGE and GSM/GPRS networks worldwide. Users around the globe can enjoy the freedom to have access to critical information wherever they are located on both EDGE and GSM/GPRS networks.

#### >>| **HIGH-SPEED PERFORMANCE**

At data rates up to three times the speed of GPRS, EM810U provides users with ease of use to transfer large files, download graphic heavy information, send/receive SMS messages and receive large amounts of data quickly, to stay connected during their busy day. With EM810U, users can stay connected on EDGE networks at average speeds between 100-130 kbps\*, supporting speeds up to 236.8 kbps.

#### >>| **SIMPLE INSTALLATION AND USE**

EM810U seamlessly integrates into Windows® notebook or PC. The easy-to-use software helps you install, configure and manage your modem easily and with low power consumption for extended battery life, the modem provides users with superior product performance.

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- **WORLDWIDE USE WITH QUAD-BAND OPERATION**
  - **CAPABLE OF WIRELESS DATA SPEEDS UP TO 236.8 KBPS**
  - **LOW POWER CONSUMPTION EXTENDS BATTERY LIFE**
  - **DIAL-UP NETWORKING (DUN) MODES**
  - **RECEIVE SMS MESSAGES OR VOICE CALLS**
  - **ACCESSING E-MAIL AND BROWSING THE WEB**
  - **SIM CARD FUNCTIONALITY**

## **EM810U Modem: QUAD-BAND WIRELESS NETWORK MODEM FOR EDGE AND GSM/GPRS**

### **TECHNICAL SPECIFICATIONS:**

#### **>>| EM810U Modem:**

Card Type: USB interface, 5.0V  
LED indication: status LED, data LED  
SIM card interface: 3.0V interface  
EDGE MS Class 12 (up to 4 Tx, 4 Rx, 5 total)\*

#### **>>| OPERATING SYSTEMS SUPPORT:**

Windows®2000, XP,

#### **>>| ADDITIONAL CONNECTIVITY SUPPORT\*:**

EDGE, GPRS, and GSM Circuit Switched Data  
Support for Multiple APNs  
SMS (send and receive)  
Dial-up networking  
Voice and fax support

#### **>>| QUAD-BAND EDGE/GPRS:**

GSM 850 MHz band Transmit, Receive: 824-849MHz, 869-894MHz  
Output Power: 500 mW (+27 dBm) /2W (+33 dBm)  
GSM 900 MHz band Transmit, Receive: 880-915MHz, 925-960MHz  
Output Power: 500 mW (+27 dBm) /2W (+33 dBm)  
DCS 1800 MHz band Transmit, Receive: 1710-1785MHz, 1805-1880MHz  
Output Power: 400 mW (+26 dBm) /1000 mW (+30 dBm)  
PCS 1900 MHz band Transmit, Receive: 1850-1910MHz, 1930-1990MHz  
Output Power: 400 mW (+26 dBm) /1000 mW (+30 dBm)

#### **>>| APPROVALS:**

Compliant with GSM Release 99

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**>>| ENVIRONMENTAL:**

Operating Temperature: -20 to +60° C

Storage Temperature: -30 to +85° C

Vibration (non-operating): 15g peak, 10 Hz to 2 kHz

Humidity: 95% (non-condensing)

**>>| SYSTEM REQUIREMENTS:**

Card Slots: USB Interface

Memory: 32 MB

Disk Space: 20 MB

Disk Drive: CD ROM (Installation only)

**>>| EM810U Modem SOFTWARE:**

Software for Notebooks, PC

\*Network Service Dependent