

## M400u 3G HSUPA Modem Datasheet



### >>| Product Introduction

The M400u 3G HSUPA Modem is a complete wireless data modem providing global cellular network connectivity; where HSUPA cellular signal available, with HSDPA/UMTS/EDGE/GPRS/GSM fallback capabilities for ensured access to the internet anywhere, providing RS232/RS485/USB port option.

The M400u is an easy to install productivity tool designed to provide maximum accessibility to the mobile professional allowing quick access to the internet for real-time business transactions, email, web browsing and more.

E-Lins' mobile data products are widely used in industrial fields, such as power control, water schedule, traffic, oil field, weather forecast, environmental protection, street lamp control, post, bank and many other areas.

### >>| Hot Spot

Built-in 2G/3G industrial cellular module, insert SIM/UIM card to work directly;

Built-in sim/uim card slot;

Broadband M2M communications

SIM failover/standby APN

3G/4G failover for fixed line broadband connections

Rapid service deployment applications

Support At command

RS232/RS485/USB/RJ45 port option

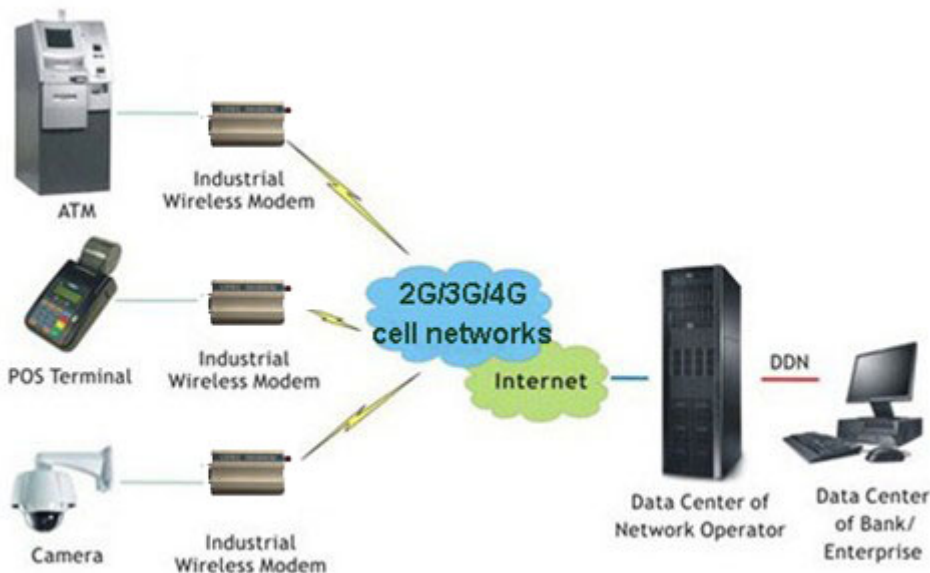
#### **Option Features:**

Voice Supported

Built-in TCP/IP Stack

GPS

## >>| Typical Diagram



## >>| Industrial Application

- Remote Data Monitor and Control
- CCTV, security surveillance
- Water, gas and oil flow metering and schedule
- AMR (automatic meter reading)
- Power station monitoring and control
- Remote POS (point of sale) terminals, ATM,
- Traffic signals monitor and control, Traffic info guidance
- Oil field, weather forecast, environmental protection, street lamp monitoring and control
- Early Warning of Mountain Torrent
- Fleet management
- Power distribution network supervision
- Central heating system supervision
- Weather station data transmission
- Hydrologic data acquisition
- Vending machine
- Telemetry, SCADA

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- Vehicle logistics and diagnostics controlling
- Parking meter and Taxi Monitor
- Telecom equipment supervision (Mobile base station, microwave or optical relay station)

## >>| Specification

Wireless	
<b>Mobile Networks</b>	UMTS WCDMA (HSUPA/HSDPA/UMTS) GSM EDGE GSM GPRS
<b>Cellular Frequency</b>	UMTS/HSPA/HSUPA/HSPA (WCDMA/FDD) 900/2100Mhz or 850/1900/2100 MHz or 850/900/1900/2100Mhz/AWS Quad-band EGSM 850/900/1800/1900
Data	
<b>Bandwidth</b>	HSUPA Downlink 7.2Mbps Uplink 5.76Mbps HSDPA Downlink 7.2 Mbps Uplink 384k bps WCDMA/UMTS Downlink/Uplink 384 kbps EDGE Downlink 236.8 kbps Uplink 118 kbps GPRS Downlink 85.6 kbps Uplink 42.8 kbps
Interface	
<b>Antenna</b>	50Ω SMA female interface, external replaceable Version without GPS: 1 Unit Version with GPS: 2 Unit
<b>Serial port</b>	DB9 or DB15 (RS232/RS485 optional)
<b>Led</b>	Power indicator Data indicator

<b>UIM/SIM</b>	1.8V/3V
<b>SIM card slot</b>	Yes, one unit
<b>USB</b>	USB 2.0 female, Mini USB
<b>GPS</b>	Supported (For version support GPS only)
<b>Voice port</b>	Supported (For version support only)
<b>Power</b>	
<b>Power supply</b>	DC7V-36V, typical DC9V1A
<b>Power consumption</b>	Peak: 700mA@+9VDC Average: 85mA@+9VDC Idle: 30mA@+9VDC
<b>Software</b>	
<b>OS</b>	Windows; Mac OS; Linux; Other OS with hardware USB/RS232/RS485 port;
<b>At command</b>	Support at command; Packed with GUI software
<b>TCP/IP Stack</b>	Supported (For version support only)
<b>Physical</b>	
<b>Operating Temperature</b>	Work temperature: -30°C to 75°C Storage temperature: -40°C to 85°C
<b>Humidity</b>	95% Maximum (Non-condensing)
<b>Dimensions</b>	Item (L x B x H): 83mm*53mm*25mm Packaging (L x B x H): 260mm x 190mm x 65mm
<b>Weight</b>	Item: 180g Packaging: 1.6 lbs
<b>Electromagnetic compatibility</b>	anlistatig test: Class 3 Radio electromagnetism test: Class 3

<b>Others</b>	
<b>Warranty</b>	1 Year, can extend to 5 years

## Option Features:

- 1) GPS
- 2) Voice
- 3) TCP/IP stack

**Notes: Please inform to sales while you make order if need the option features.**

## >>| Accessories

- The M400 Series Modem
- USB cable (For version support usb only)
- DC 9V1A Power Adapter
- Antenna
- CD-ROM with Product Documentation
- DB9 cable (For version support RS232/RS485 only)



DB15 to DB9 Cable



DB9 serial cable



RJ45 to DB9 Cable



USB Cable



EU Power Supplier



US Power Supplier



AU Power Supplier



Desktop Power Supplier  
EU, US, AU, UK for choice



UK Power Supplier



Metal Magnetic-Mount W/ Cable



Rubber antenna



Rubber Magnetic-Mount W/ Cable



CD-Rom with Manual/Data

Notes:

- 1) We packed the units with free accessories; default packed depends on stock and the device's feature requirement. If you need specify the type, please inform us when you order.
- 2) Different places have different band and frequency. Signal quality affects the data speed. The antenna in the packages is free default. It's a world-wide use type. Our free antenna may not get good signal or good speed in your area. Please get the dedicated antenna for your area yourself to get the best signal and data speed.