

M400d 3G HSDPA Modem Datasheet



>>| Product Introduction

The M400d 3G HSDPA Modem is a complete wireless data modem providing global cellular network connectivity; where HSDPA cellular signal available, with UMTS/EDGE/GPRS/GSM fallback capabilities for ensured access to the internet anywhere, providing RS232/RS485/USB port option.

The M400d 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

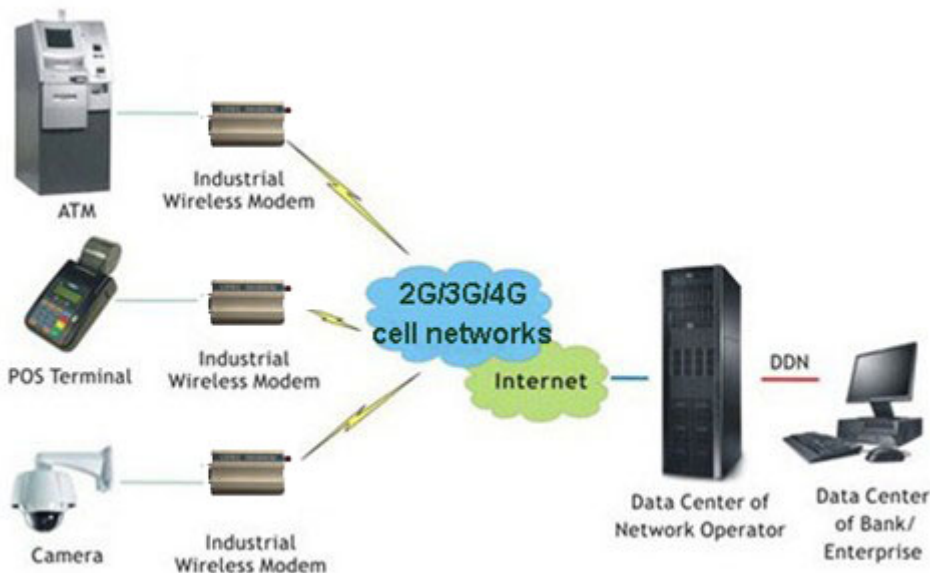
Option Features:

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	
Mobile Networks	UMTS WCDMA (HSDPA/UMTS) GSM EDGE GSM GPRS
Cellular Frequency	UMTS/HSPA (WCDMA/FDD) 900/2100Mhz or 850/1900/2100 MHz or 850/900/1900/2100Mhz/AWS Quad-band EGSM 850/900/1800/1900Mhz
Data	
Bandwidth	HSDPA: Downlink 7.2 Mbps, Uplink 384kbps; WCDMA/UMTS: Downlink/Uplink 384kbps; EDGE: Downlink 236.8 kbps, Uplink 118kbps; GPRS: Downlink 85.6 kbps, Uplink 42.8kbps
Interface	
Antenna	50Ω SMA female interface, external replaceable Version without GPS: 1 Unit Version with GPS: 2 Unit
Serial port	DB9 or DB15 (RS232/RS485 optional)
Led	Power indicator Data indicator
UIM/SIM	1.8V/3V
SIM card slot	Yes, one unit
USB	USB 2.0 female, Mini USB
GPS	Supported (For version support GPS only)
Voice port	Supported (For version support only)
Power	

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

UK Power Supplier

EU, US, AU, UK for choice



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.