

4G Industrial Router

F3X36



Introduction

F3X36 Industrial Router is a kind of cellular terminal device that provides large data transfer function by public GPRS/CDMA/WCDMA/EVDO/LTE network. It adopts high-powered industrial 32-bits CPU and embedded real time operating system. It supports RS232 (or RS485/RS422), Ethernet and WIFI port that can conveniently and transparently connect one device to a cellular network, allowing you to connect to your existing serial, Ethernet and WIFI devices with only basic configuration.



Industrial-grade Design

- ▶ High-powered industrial cellular module
- ▶ High-powered industrial 32bits CPU
- ▶ Support low-consumption mode, scheduled power-on/power-off mode (Optional)
- ▶ Housing: iron, providing IP30 protection
- ▶ Power range: DC 5~36V



Stability & Reliability

- ▶ Support hardware and software WDT
- ▶ Support auto recovery mechanism, including online detect
- ▶ Ethernet port: 1.5KV magnetic isolation protection
- ▶ RS232/RS485/RS422 (Optional) port: 15KV ESD protection
- ▶ SIM/UIM port: 15KV ESD protection
- ▶ Auto recovery mechanism, including online detect and auto redial



Standard & Convenience

- ▶ Support standard RS232 or RS485/RS422 (Optional), Ethernet and WIFI port
- ▶ Support standard WAN port and PPPOE protocol that can connect to ADSL directly
- ▶ Support intellectual mode, enable communication state automatically when powered
- ▶ Provide management software for remote management
- ▶ Support several work modes
- ▶ Convenient configuration and maintenance interface (WEB or CLI)

4G Industrial Router F3X36



High Performance

- ▶ Support IP, DHCP, L2TP, PPTP, PPPOE, 2.5G/3G/4G
- ▶ Support double link backup between LTE and WAN (PPPOE, ADSL) (Optional)
- ▶ Support PPTP/L2TP/OPENVPN/IPSEC/GREVPN
- ▶ Support local and remote firmware upgrade, import and export configure file
- ▶ Support NTP, RTC embedded
- ▶ Support multiple DDNS provider service
- ▶ Support VLANs, MAC Address clone, PPPoE Server
- ▶ WIFI support 802.11b/g/n.
- ▶ Support AP, client, Adhoc, Repeater, Repeater Bridge mode
- ▶ WIFI support WEP, WPA, WPA2 encryption, support MAC address filter
- ▶ Support multiple online trigger ways (Optional), including SMS, ring and data.
- ▶ Support link disconnection when timeout
- ▶ Support APN/VPDN
- ▶ Support DHCP server/client, NAT, DMZ host, Qos.
- ▶ Full protocol support, such as TCP/IP, UDP, ICMP, SMTP(Optional), HTTP
- ▶ Support POP3(Optional), OICQ(Optional), TELNET, FTP(Optional), SNMP, SSHD
- ▶ Support firewall, URL block, traffic statistics, real time link speed statistics, etc.

Product Specification

Cellular Specification	
Items	Contents
Standard and Band	FDD-LTE 2600/2100/1800/900/800MHz, 700/1700/2100MHz(optional) DC-HSPA+/HSPA+/HSDPA/HSUPA/UMTS 850/900/2100MHz, 800/850/1900/2100MHz(optional) EDGE/GPRS/GSM 850/900/1800/1900MHz GPRS CLASS 10 GPRS CLASS 12
Bandwidth	FDD-LTE: Download speed 100Mbps, Upload speed 50Mbps DC-HSPA+: Download speed 42Mbps, Upload speed 5.76Mbps HSPA+: Download speed 21Mbps, Upload speed 5.76Mbps HSDPA: Download speed 7.2Mbps, HSUPA: Upload speed 5.76Mbps UMTS: 384Kbps
TX Power	<23dBm
RX Sensitivity	<-97dBm
Standard and Band	Support: FDD-LTE, TD-LTE, EVDO, WCDMA, TD-SCDMA, CDMA1X, GPRS/EDGE

4G Industrial Router F3X36



Interfaces	
Items	Contents
WAN	1 10/100 Mbps WAN port (RJ45), auto MDI/MDIX, 1.5KV magnetic isolation protection
LAN	4 10/100 Mbps Ethernet ports (RJ45), auto MDI/MDIX, 1.5KV magnetic isolation protection
Serial	1 RS232(or RS485/RS422) port, 15KV ESD protection Data bits: 5, 6, 7, 8 Stop bits: 1, 1.5(optional), 2 Parity: none, even, odd, space(optional), mark(optional) Baud rate: 2400~115200 bps
Indicator	"Power", "System", "Online", "SIM", "Local Network", "WAN", "WIFI", "Signal Strength"
Antenna	Cellular: 2 Standard SMA female interface, 50 ohm, lightning protection(optional) WIFI: 1 Standard SMA male interface, 50 ohm, lightning protection(optional)
SIM/UIM	Standard 3V/1.8V user card interface, 15KV ESD protection
Power	Standard 3-PIN power jack, reverse-voltage and over-voltage protection
Reset	Restore the Router to its original factory default settings



Note: There may be differences between models of accessories and interfaces, actual products shall prevail.

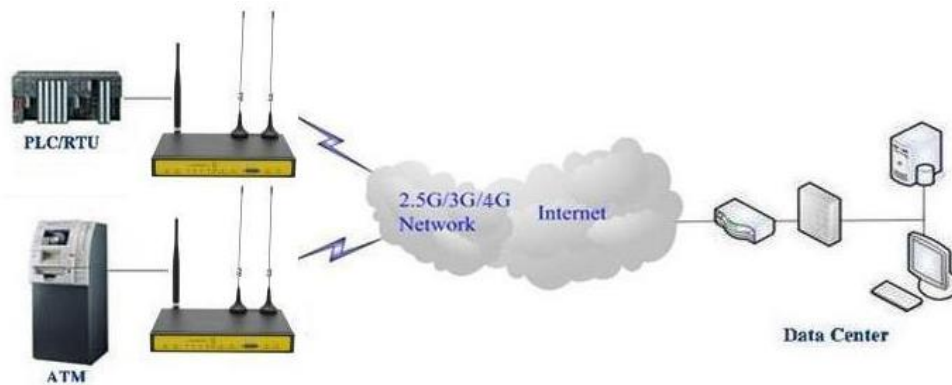
Power	
Items	Contents
Standard Power	DC 12V/1.5A
Power range	DC 5~36V
Power Consumption	
Work Mode	Consumption
Standby	293~326mA@12VDC
Communication	310~554mA@12VDC
Schedule Shutdown	2.57~4.2mA@12DVC
Physical Properties	
Items	Contents
Housing	Iron, providing IP30 protection
Dimensions	207x135x28 mm
Weight	790g

4G Industrial Router F3X36

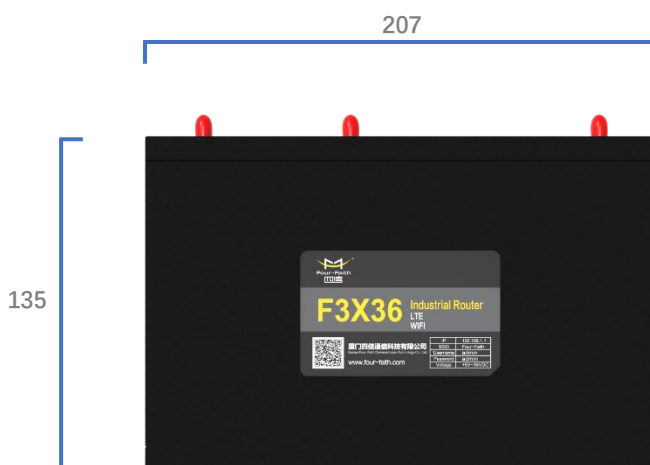


Others	
Items	Contents
Operating Temperature	-35~+75°C (-31~+167°F)
Storage Temperature	-40~+85°C (-40~+185°F)
Operating Humidity	95% (unfreezing)

Topology



Dimension (mm)



4G Industrial Router F3X36



Order Information

Models	Description	WAN	LAN	Cellular Antenna	WIFI Antenna	SIM/UM
F3836	FDD-LTE WIFI Industrial Router	1	4	2	1	1