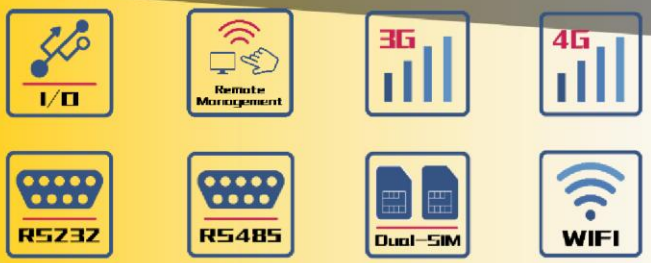


Four-Faith 四信

4G Industrial Router

F3X26Q



Introduction

F3X26Q Industrial Router is an IoT wireless communication router with the compact design and cost-effectiveness. It is using public cellular network GPRS/CDMA/WCDMA/EVDO/LTE to provide long distance, wireless and large data transmission function for users. The product has been widely used in the M2M industry of the IoT industrial chain, such as smart grid, intelligent transportation, smart home, finance. and etc.

Industrial-grade Design

- High-performance industrial-grade CPU
- High-performance industrial-grade wireless communication module
- Metal casing, IP30 protection level, suitable for most industrial control applications.
- Wide range power input (DC 5~36V)

Stability & Reliability

- Multiple protection mechanism to ensure system stability, always keeping online
- Ethernet interface with built-in 15KV ESD
- RS232/RS485 with built-in 15KV ESD
- SIM/UIM card slot with built-in 15KV ESD
- Power interface with built-in phase-reversal and over-voltage protection
- Antenna interface with lightning protection (optional)

Standard & Convenience

- Standard RS232/RS485, ethernet and WIFI interface, can be connected to the serial device, ethernet devices and WIFI devices
- Standard wired WAN interface (support standard PPPOE protocol), Can be connected to ADSL devices directly
- Intelligent data terminal, automatically enter transmission status after power-on
- Powerful central management software for easy device management (optional)
- Easy to use and flexible, has multiple working modes
- Convenient system configuration and maintenance interface (including local and remote WEB or CLI access)

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High Performance

- Support dual-link intelligent switching function between primary card and backup card
- Support various WAN connection type, including static IP, DHCP, PPPOE, 2.5G/3G/4G
- Support remote management, SYSLOG, SNMP, TELNET, SSHD, HTTPS, etc.
- Support upgrade software from the local and remote maintenance
- Support various network protocols including TCP/IP, UDP, FTP (optional), HTTP, etc.
- Support SPI firewall, VPN traversal, access control, URL filtering, etc.
- Support 802.11 b / g / n WIFI network, support WIFI AP, AP Client, Bridge and various working mode (optional)

Product Specification

Cellular Specification	
Items	**Contents**
Standard and Band	Support FDD-LTE B1/B2/B3/B4/B5/B7/B8/B28 Support TDD-LTE B38/B39/B40/B41 Support TD-SCDMA: B34, B39 Support HSPA+/UMTS B1/B2/B5/B8 Support EV-DO: BC0 CDMA 1x: BC0 Support EDGE/GPRS/GSM 850/900/1800/1900MHz
Bandwidth	FDD-LTE: Downstream rate 150Mbps, uplink rate 50Mbps TD-LTE: Downstream rate 130Mbps, uplink rate 35Mbps TD-HSPA+: Downstream rate 4.2Mbps, uplink rate 2.2Mbps DC-HSPA+: Downstream rate 42Mbps, uplink rate 5.76 Mbps HSPA+: Downstream rate 21Mbps, uplink rate 5.76 Mbps UMTS: 384Kbps
Transmit Power	< 23dBm
Sensitivity	< -97dBm

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WIFI Specification	
Items	**Contents**
Standard and Band	IEEE802.11b/g/n
Bandwidth	IEEE802.11b/g: 54Mbps (Maximum) IEEE802.11n: 144Mbps (Maximum)
Security	Support WEP, WPA, WPA2 encrypt methods, optional WPS function
Transmit Power	15 ± 2dBm
Sensitivity	< -72dBm @ 54Mbps
Hardware System	
Items	**Contents**
CPU	Industrial-grade CPU
Flash	16MB
DDR2	128MB
Interfaces	
Items	**Contents**
WAN Interface	1 x 10/100M RJ45 ethernet port, adaptive MDI/MDIX, built-in 15KV ESD
LAN Interface	1 x 10/100M RJ45 ethernet port, adaptive MDI/MDIX, built-in 15KV ESD
Serial	1 x RS232/485 serial interface with built-in 15KV ESD Data bits:5, 6, 7, 8 bits Stop bits:1, 1.5 (optional), 2 bits Error detection: none, even parity, odd parity, SPACE (optional) and MARK (optional) Serial Port Rate: 2400~115200bits/s
LED Indicators	"PWR", "Online", "LAN", "WAN/LAN", "WIFI"
Antenna Interface	Cellular: Standard SMA female antenna interface, characteristic impedance: 50 Ω WIFI: Standard SMA male antenna interface, characteristic impedance: 50 Ω
SIM/UIM Slot	Standard SIM card slot, support 1.8V/3V SIM/UIM card, built-in 15KV ESD, support dual-SIM card (optional)
Power Interface	Standard 3.5mm terminal block interface, with built-in phase-reversal and over-voltage protection
Reset Button	Can reset router's configuration to default factory setting by this button





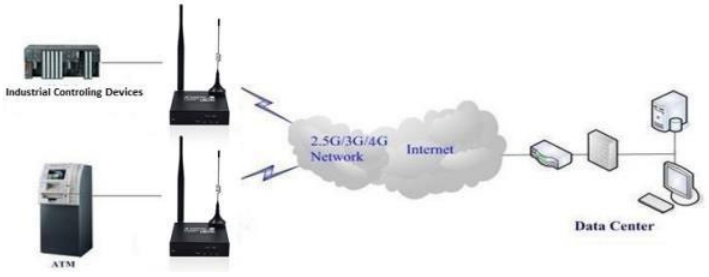
Note: There may be differences between models of accessories and interfaces, actual products shall prevail.

4G Industrial Router F3X26Q



Power	
Items	**Contents**
Input Voltage	DC 12V/1.5A
Accepted Range	DC 5~36V
Power Consumption	
Work Mode	**Consumption**
Standby	95~135mA@12VDC
Communicating	165~220mA@12VDC
Physical Properties	
Items	**Contents**
Casing	Metal casing, IP30 protection level, suitable for most industrial control applications.
Dimensions	93x89x24mm (excluding antennas and mountings)
Weight	250g
Others	
Items	**Contents**
Operating Temperature	-35~+75℃
Storage Temperature	-40~+85℃
Relative Humidity	95% (non-condensing)

Topology



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Order Information

Models	Description	WAN	LAN	Cellular Antenna	WIFI Antenna	SIM/UIM
F3X26Q-FL	FDD/TDD-LTE WIFI Industrial Router	1	1	1	1	1
F3X26Q-FL-SIM2	FDD/TDD-LTE WIFI Industrial Router	1	1	1	1	2