

Four-Faith

4G Industrial Router

F3X26-TB-01-01

VPN | Remote Management | 3G | 4G | RS232 | RS485 | Dual-SIM | WIFI

Introduction

F3X26-TB-01 Industrial Router is an IoT wireless communication router. It is using the public cellular network GPRS/CDMA/WCDMA/EVDO/LTE to provide long distance, wireless and large data transmission function for users. It has been widely used in the M2M industry of the IoT industrial chain, such as smart grid, intelligent transportation, smart home, finance, mobile POS terminals, supply chain automation, industrial automation, intelligent building, fire protection, public safety, environmental protection, meteorology, digital medical, telemetry, agriculture, forestry, water, coal, petrochemical, and other related fields.

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

- WDT protection, ensure system stability
- Multiple protection mechanism to ensure system stability, always keeping online
- 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)
- Ethernet interface with built-in 15KV ESD

Standard & Convenience

- Standard RS232/RS485, ethernet and WIFI interface
- Standard wired WAN interface (Support standard PPPOE protocol)
- 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
- Support local and remote WEB or CLI access

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High Performance

- Support dual-link intelligent switching function (Dual-SIM version)
- Support LTE and wired WAN dual-link intelligent switching backup function (Optional)
- Support remote management, SYSLOG, SNMP, TELNET, SSHD, HTTPS, etc.
- Support upgrade software from the local and remote maintenance
- Support MAC address clone, PPPoE server
- 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)
- WIFI support variety types of encryptions such as WEP, WPA and WPA2.
- Support various DDNS
- Support APN/VPDN
- Support NTP

Product Specification

Cellular Specification	
Items	**Contents**
Standard and Band	Support Full-NetCom: LTE FDD, LTE TDD, EVDO, WCDMA, TD-SCDMA, CDMA1X, GPRS/EDGE
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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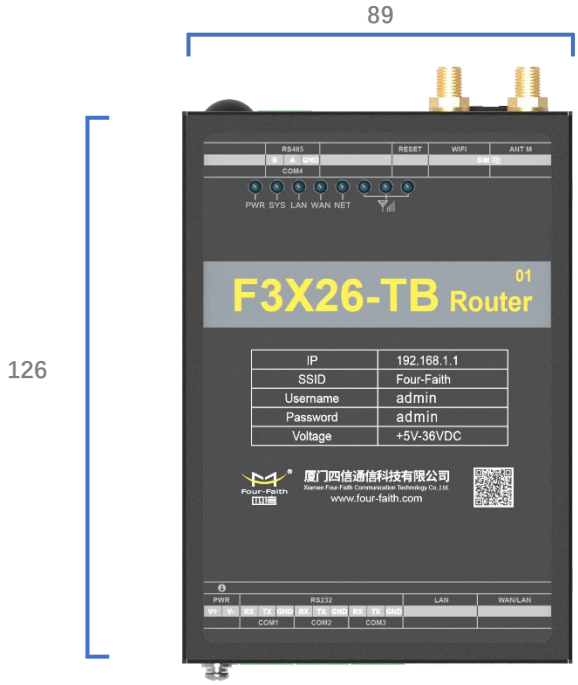
WIFI Specification	
Items	**Contents**
Standard and Band	IEEE802.11b/g/n
Bandwidth	IEEE802.11b/g: 54Mbps (Maximum) IEEE802.11n: 144Mbps (Maximum)
Security	Support WEP, WPA, WPA2 encrypt methods, optional WPS function
Transmit Power	15 ± 2dBm
Sensitivity	< -72dBm @ 54Mbps
Hardware System	
Items	**Contents**
CPU	Industrial-grade CPU
Flash	16MB
DDR2	64MB
Interfaces	
Items	**Contents**
WAN Interface	1 x 10/100M RJ45 ethernet port, adaptive MDI/MDIX, built-in 15KV ESD (Can be used as a LAN)
LAN Interface	1 x 10/100M RJ45 ethernet port, adaptive MDI/MDIX, built-in 15KV ESD
Serial	3 x RS232, 1 x RS485 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)
LED Indicators	“PWR”, “SYS”, “LAN”, “WAN”, “NET”, Signal Indicator
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	2 x Standard SIM card slot, support 1.8V/3V SIM/UIM card, built-in 15KV ESD
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
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

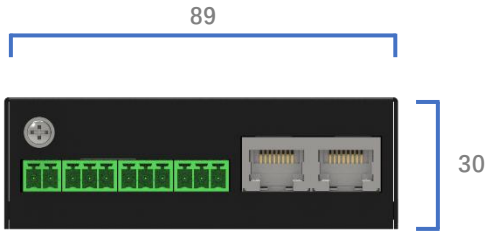
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Physical Properties	
Items	**Contents**
Casing	Metal casing, IP30 protection level, suitable for most industrial control applications.
Dimensions	126 x 89 x 30mm (Excluding antennas and mountings)
Weight	320g
Others	
Items	**Contents**
Operating Temperature	-35~+75℃
Storage Temperature	-40~+85℃
Relative Humidity	95% (non-condensing)

Dimension (mm)





Order Information

Models	Description
F3X26-TB-01	1*WAN, 1*LAN, 3*RS232,1*RS485, WIFI, 2*SIM
F3X26-TB-01-485	1*WAN, 1*LAN, 1*RS232,3*RS485, WIFI, 2*SIM