

Over View

XCORN X-012 series Router is the internet of thing mobile broadband router and a machine to machine (M2M) industrial cellular router, which can optional works on the 4G or 3G cellular network to provide reliable, secure and high speed wireless connectivity with I/O and VPN supported. It is powerful and programmable industrial mobile router with high performance and harden casing design for remote management, telemetry, condition monitoring, CCTV, ATMs, vending machine and other M2M applications.

X-012 4G router is an ideal wireless data transfer device for applications transferring large data load because of ultimately fast transfer speed in 4G network reaching up to 150M download and up to 50M upload. VPN features also can be configured in XCORN router, allowing you to utilize virtual private network service through a 4G/3G wireless router and built for stresses and workload of a modern industrial or commercial environment.

With dual SIM function, X-012 series router could backup network between the two SIM cards to ensure continuous connectio.n. With optional GPS capability, enable the router ideal for fleet tracing or access. management. The X-012 router is well-suited for M2M Connectivity in harsh or remote enviornment because of its rugged metal casing, Input Output port, DIN-rail mounts and operating range of -30 to +70 degree.



Benefit For Cellular Router

Avoid fixed-line trouble

Cost-effective, 30% saving

Rapid Deployment

Flexible placement

Security and Reliability

Return on Invest

Basic Features

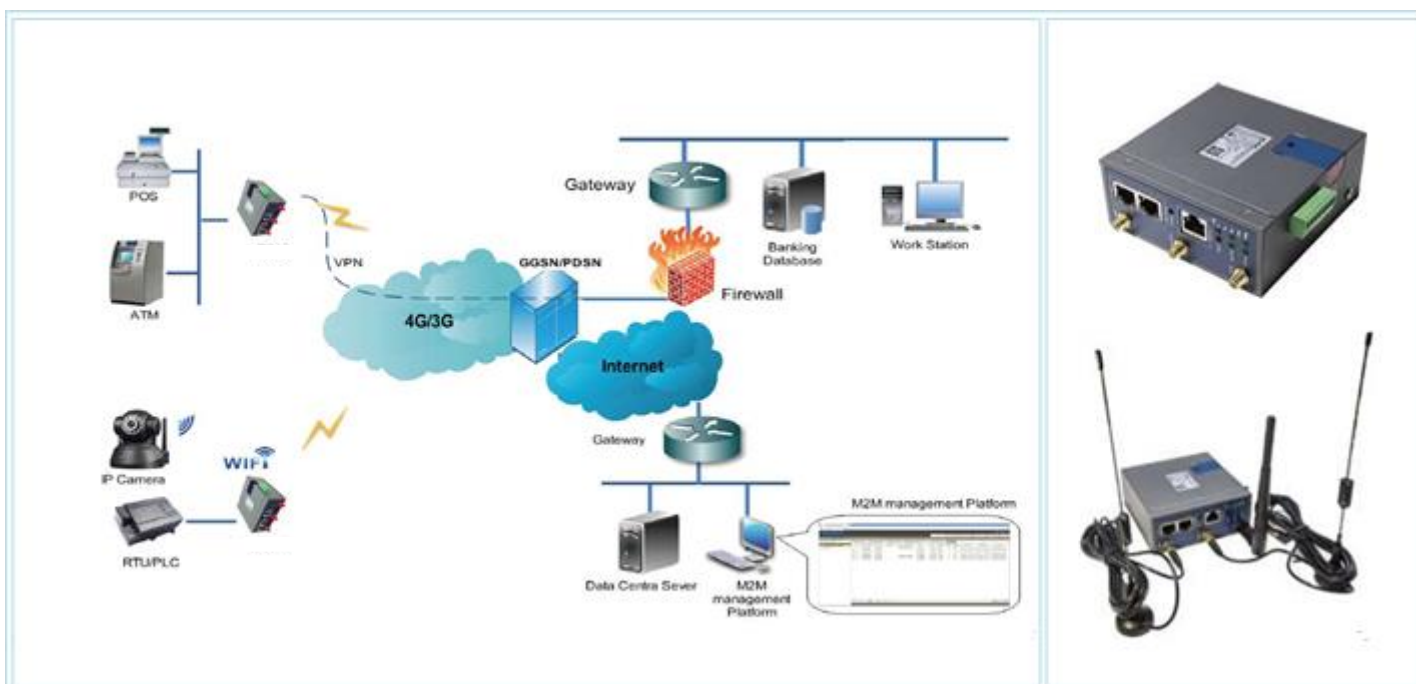
- ⊙ Industrial robust design and compact metal housing, heat endurance and radiation ability
- ⊙ High data speed via FDD / TDD 4G or 3G network, 2G backward compatible
- ⊙ Strong electromagnetic interference Resistance
- ⊙ Support DIN-Rail Mounting for industrial
- ⊙ Built-in watch dog, Multi-link detection
- ⊙ 802.11b/g/n Wi-Fi support, 150Mbps data rate
- ⊙ 2x Digital Input(DI), 1x Digital Output (DO), suit for I/O communication
- ⊙ MIMO antenna for 4G
- ⊙ WAN port support PPPoE, static IP, DHCP client.
- ⊙ Standard equipped with Dual SIM Single Modle for Failover or Backup between two network
- ⊙ Always online, reboot automatically if disconnected to ensure continual connection

- ⊙ Support APN and VPDN wireless private network access in
- ⊙ LCP/ICMP/flow/heartbeat check, ensure network usability
- ⊙ Web/CLI/SSH/Management platform support, easy configure
- ⊙ SNMP network management, NTP support
- ⊙ Local & remote management (configuration, status, upgrade firmware)
- ⊙ Supports DHCP Server
- ⊙ Supports DNS proxy and Dynamic DNS (DDNS)
- ⊙ Ultra security, VPN: PPTP, L2TP, GPE, IPsec VPN
- ⊙ Supports LED status indication
- ⊙ Shock and vibration resistant

Optional Features

- ⊙ Optional Network Type includes FDD / TDD 4G, UMTS/WCDMA 3G, EVDO.3G
- ⊙ GPS capability for fleet management or other tracking application Optional
- ⊙ DTU serial communication function optional
- ⊙ Dual SIM Dual Module for fast switch between two different network
- ⊙ SMS Controlable optional
- ⊙ OpenVPN Optional
- ⊙ Captive Portal for Wifi Hotspot application Optional
- ⊙ PPTP Sever optional
- ⊙ Schedule reboot optional
- ⊙ Customized acceptable

Typical Diagram and Application



Energy	Digital Oil Field, Coal Mine, Solar, Smart Grid,
Utilities	Smart City, Traffic, Street lighting, Public SaGy, 4G Public hotspot, Environment monitoring, Video Surveillance
Industrial	Remote Telemetry, Tanking Monitoring, Automation, Remote PLC, Remote AMR, Remote Monitoring and control
Retail	ATM, POS(Point-of-Sale), Vending Machine, Lottery Machine, Branch network, Digital Signage, Video Surveillance, failover between WAN&4G/3G
Transportation	Bus WiFi, WiFi on Board, Vehicle video surveillance, Fleet tracking and management, Bus Advertising

Specification

Optional Supports Mobile Network	<ul style="list-style-type: none"> Ⓞ FDD / TDD 4G Ⓞ DC-HSPA+/HSPA+/HSPA/WCDMA/UMTS Ⓞ EDGE/GPRS Ⓞ CDMA2000 EVDO/CDMA 1X 	Ethernet Standard	<ul style="list-style-type: none"> Ⓞ IEEE 802.3 Ⓞ IEEE 802.3u 	
Interface	<ul style="list-style-type: none"> Ⓞ 2x10/100Mb LAN (1xLAN, 1xWAN) Ⓞ 1x RS-232 console port(RJ45) Ⓞ 2x Digital Input, 1x Digital Output Ⓞ 3x SMA-K antenna interface Ⓞ 2x Standard SIM/R-UIM interface Ⓞ 1x Standard DC power interface 	LED instruction	<ul style="list-style-type: none"> Ⓞ PWR Ⓞ Signal Ⓞ XCAN Ⓞ ERR Ⓞ LAN (LAN, LAN/WAN) 	
Route protocol	<ul style="list-style-type: none"> Ⓞ Static route Ⓞ RIPv2/OSPF dynamic route 	Power supply	<ul style="list-style-type: none"> Ⓞ 5 - 32VDC 	
Device management	<ul style="list-style-type: none"> Ⓞ Local or remote web browser (IE v8 or above) Ⓞ CLI/Telnet command Ⓞ M2M management platform (optional) Ⓞ SSH configure (optional) 	WiFi	<ul style="list-style-type: none"> Ⓞ Standard: IEEE 802.11b/g/n Ⓞ WEP, WPA and WPA2 encryption Ⓞ Standard 150Mbps, 300Mbps optional Ⓞ AP, Client, station, bridge mode support 	
Firewall & Filter	<ul style="list-style-type: none"> Ⓞ IP packet/Domain/MAC filter Ⓞ NAT Ⓞ DMZ 	VPN	<ul style="list-style-type: none"> Ⓞ IPSec Ⓞ PPTP/L2TP client Ⓞ GRE/IPIP 	
Power Consumption	<ul style="list-style-type: none"> Ⓞ Idle: 213mA@+12VDC Ⓞ Communications: 265mA@+12VDC 	Other	<ul style="list-style-type: none"> Ⓞ Dimension: 102mm x 100mm x 42mm (not including antenna) Ⓞ Weight: 350g Ⓞ Operation temperature: -30~+70 °C Ⓞ Store temperature: -40~+85 °C Ⓞ Related humidity: <95% (non-condensing) Ⓞ Guarantee: one year 	
Standard	<ul style="list-style-type: none"> EN 300 328 v 1.7.1 (2016-11) EN 301 489-1 EN 301 908-1 EN 55024:2015 EN 55032:2015 EN 61000-3-3:2008 	<ul style="list-style-type: none"> EN 301 489-17 EN 301 489-52 EN 301 908-2/13, EN 60950-1, EN 61000-3-2 EN 62311:2008 	Approval	<ul style="list-style-type: none"> CE RoHS CCC E-Mark

Partial Order Number List								
Model	4G	3G	Interface	Dual SIM	WiFi	GPS	DL	UL
X-012LFX-d	FDD: B1/B3/B7/B8/B20/B28A TDD: B38/B40/B41	HSPA+ B1/B8	2x LAN 1x RS232 3x I/O	✓	✓		FDD:150M TDD:60M	FDD:50M TDD:35M
X-012LFX-g	FDD: B1/B3/B7/B8/B20/B28A TDD: B38/B40/B41	HSPA+ B1/B8	2x LAN 1x RS232 3x I/O	✓	✓	✓	FDD:150M TDD:60M	FDD:50M TDD:35M
X-012LF-d	FDD: B1/B3/B5/B7/B8/B20 TDD: B38/B40/B41	HSPA+ B1/B5/B8	2x LAN 1x RS232 3x I/O	✓	✓		FDD:150M TDD:60M	FDD:50M TDD:35M
X-012LF-g	FDD: B1/B3/B5/B7/B8/B20 TDD: B38/B40/B41	HSPA+ B1/B5/B8	2x LAN 1x RS232 3x I/O	✓	✓	✓	FDD:150M TDD:60M	FDD:50M TDD:35M
X-012LF1-d	FDD: B1/B2/B3/B4/B5/B7/B8/B28 TDD: B40	HSPA+ B1/B2/B5/B8	2x LAN 1x RS232 3x I/O	✓	✓		FDD:150M TDD:60M	FDD:50M TDD:35M
X-012LF1-g	FDD: B1/B2/B3/B4/B5/B7/B8/B28 TDD: B40	HSPA+ B1/B2/B5/B8	2x LAN 3x I/O	✓	✓	✓	FDD:150M TDD:60M	FDD:50M TDD:35M
X-012LF2-d	FDD: B2/B4/B5/B7/B8/B12/B13 /B14/B66/B71	HSPA+ B2/B4/B5	2x LAN 1x RS232 3x I/O	✓	✓		150M	50M
X-012LF2-g	FDD: B2/B4/B5/B7/B8/B12/B13 /B14/B66/B71	HSPA+ B2/B4/B5	2x LAN 1x RS232 3x I/O	✓	✓	✓	150M	50M
X-012LG-d	B1/B12/B3/B5/B7/12/B13/B18/B19 /B20/B25/B26//B39/B38/B40/B41	HSPA+ B1/B2/B4/B5/B6/B8/B19	2x LAN 1x RS232 3x I/O	✓	✓		FDD:150M TDD:60M	FDD:50M TDD:35M
X-012LG-g	B1/B12/B3/B5/B7/12/B13/B18/B19 /B20/B25/B26//B39/B38/B40/B41	HSPA+ B1/B2/B4/B5/B6/B8/B19	2x LAN 1x RS232 3x I/O	✓	✓	✓	FDD:150M TDD:60M	FDD:50M TDD:35M
X-012H2-d	N/A	HSPA+ B1/B2/B5/B8	2x LAN 1x RS232 3x I/O	✓	✓		21M	5.76M
X-012H2-g	N/A	HSPA+ B1/B2/B5/B8	2x LAN 1x RS232 3x I/O	✓	✓	✓	21M	5.76M
X-012H4-d	N/A	HSPA+ B1/B8	2x LAN 1x RS232 3x I/O	✓	✓		21M	5.76M
X-012H4-g	N/A	HSPA+ B1/B8	2x LAN 1x RS232 3x I/O	✓	✓	✓	21M	5.76M

Note:

1. If request other frequency band model, please consult XCORN sales person
2. Please specify before order if need OpenVPN
3. Please specify when order if request other optional features