

Over View

X-015 series Router is the internet of thing mobile broadband router and a machine to machine (M2M) industrial Wi-Fi router, which can optional works on the Wi-Fi 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-015 Wi-Fi router is an ideal wireless data transfer device for applications transferring large data load because of ultimately fast transfer speed reaching up to 150M download and up to 50M upload. VPN features also can be configured in router, allowing you to utilize virtual private network service through a Wi-Fi router and built for stresses and workload of a modern industrial or commercial environment.

The X-015 router is well-suited for M2M Connectivity in harsh or remote environment because of its rugged metal casing, Input Output port, DIN-rail mounts and operating range of -30 to +70 degree.



Benefit For Router

- Avoid fixed-line trouble
- Cost-effective, 30% saving
- Rapid Deployment
- Flexible placement
- Security and Reliability
- Return on Invest

Basic Features

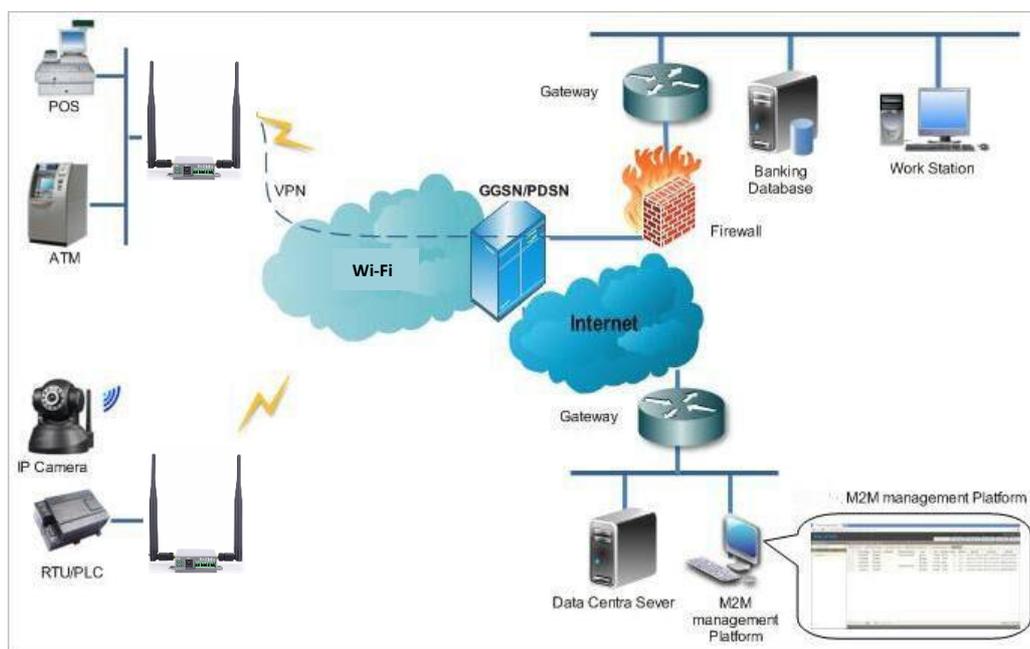
- ⊙ Industrial robust design and compact metal housing, heat endurance and radiation ability
- ⊙ Strong electromagnetic interference Resistance
- ⊙ Support DIN-Rail Mounting for industrial
- ⊙ Built-in watch dog, Multi-link detection
- ⊙ 802.11b/g/n Wi-Fi support, 150Mbps data rate
- ⊙ 1x Digital Output (DO), suit for I/O communication
- ⊙ WAN port support PPPoE, static IP, DHCP client.
- ⊙ Always online, reboot automatically if disconnected to ensure continual connection
- ⊙ Local & remote management (configuration, status, upgrade firmware)
- ⊙ Shock and vibration resistant

- ⊙ 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
- ⊙ Supports DHCP Server
- ⊙ Supports DNS proxy and Dynamic DNS (DDNS)
- ⊙ Ultra security, VPN: PPTP, L2TP, GPE, IPsec VPN
- ⊙ Supports LED status indication

Optional Features

- ⊙ 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

HARDWARE

WiFi	IEEE802.11 b/g/n ,up to 300mbps
Interface	2x10/100 Ethernet port(RJ45),1x Serial port(RS232/RS485,DIO)
Antennas	2xWiFi Antennas
Power Supply	round hole,12V/1A DC
Status LEDs	Power, System, WLAN
CPU	MT7628 580Mhz
Flash/RAM	8MB/128MB
Physics	Hosing: Metal, Wall mount: Dimension: 100x80x25mm/Weight: 200g/Operating Temperature: -40 to 85°C

SOFTWARE

Operating System	OpenWrt/LEDE, MTK LSDK
Mobile features	Auto APN, VPDN,
M2M	MQTT/TCP protocol forward RS232/485 interface data to the server
Network	Failover(Network Backup), Oos, Load Balance, DMZ, DDNS, Routing
VPN clients mode	PPTP/L2TP
Security	Firewall, WiFi security, web filter, Access control
Monitoring Management	WEB, Upgrade backup, MODBUS, MQTT, RMS(Remote management system)