

INDUSTRIAL ROUTER DUAL SIM 4G/LTE

Reliable, high-speed, and rugged connectivity with
seamless dual SIM switching and advanced security
for industrial applications.



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Product Highlight:

- **Dual SIM 4G/LTE Standby:** Ensures continuous connectivity with backup network support.
- **Wide Power Range Compatibility:** Supports 5~36V DC inputs for power flexibility.
- **Made in India:** Manufactured to high standards in India for quality assurance.

Key Features:

- **High-Performance CPU:** Reliable, industrial-grade processor for consistent operation.
- **Versatile Connectivity:** Dual SIM 4G/LTE, Ethernet WAN/LAN port, and WiFi support.
- **Wide Power Range:** Operates on DC 5~12V with built-in protection for stable performance.
- **Enhanced Protection:** 15KV ESD protection, optional lightning protection for antennas, and phase-reversal/over-voltage safeguards.
- **Flexible Working Modes:** Supports various WAN connection types including static IP, DHCP, PPPOE, 2.5G/4G.
- **VPN and Remote Management:** Compatible with PPTP, L2TP, IPSEC, OpenVPN, and GRE. Manage remotely via SYSLOG, SNMP, TELNET, SSHD, and HTTPS.
- **Centralized Control:** Optional management software for streamlined device configuration and monitoring.
- **Robust Build:** Metal casing with IP30 protection level, suitable for industrial environments.



Introduction:

The Industrial Router with Dual SIM 4G/LTE standby is an IoT wireless communication device. It uses public cellular networks like GPRS, CDMA, WCDMA, EVDO, and LTE for long-distance, wireless, and high-volume data transmission. Featuring a high-performance industrial-grade CPU, it supports one Ethernet LAN port, one Ethernet WAN/LAN port, and WiFi, enabling connections to Ethernet and WiFi devices simultaneously. Widely used in smart grid, intelligent transportation, smart home, finance, supply chain automation, industrial automation, and various other IoT applications.



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Use Cases of Industrial Router Dual SIM 4G/LTE

- 1. Smart Grids:** Improve communication and control within energy distribution networks.
- 2. Intelligent Transportation:** Enable reliable traffic management and vehicle tracking.
- 3. Smart Homes:** Seamlessly integrate and oversee home automation systems for enhanced living experiences.
- 4. Financial Services:** Offer secure and stable connections to facilitate efficient transaction processing.
- 5. Supply Chain Automation:** Enable real-time data transfer to streamline inventory and logistics operations.
- 6. Industrial Automation:** Connect machinery and systems for precise control and monitoring functionalities.
- 7. Remote Monitoring:** Easily access and oversee infrastructure from any remote location.
- 8. Emergency Services:** Ensure reliable communication channels for swift emergency response operations.

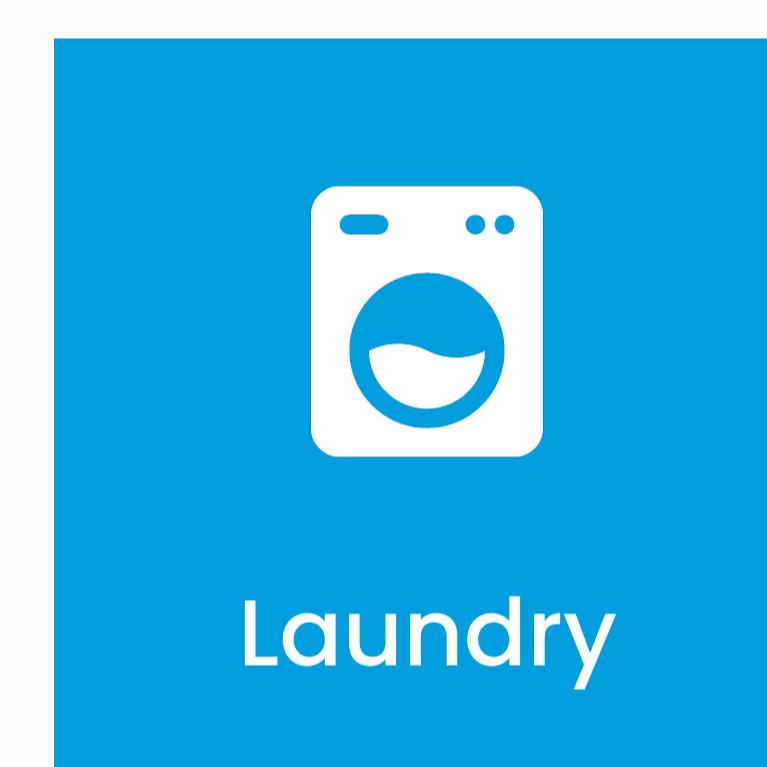
Sample Applications



IP Camera



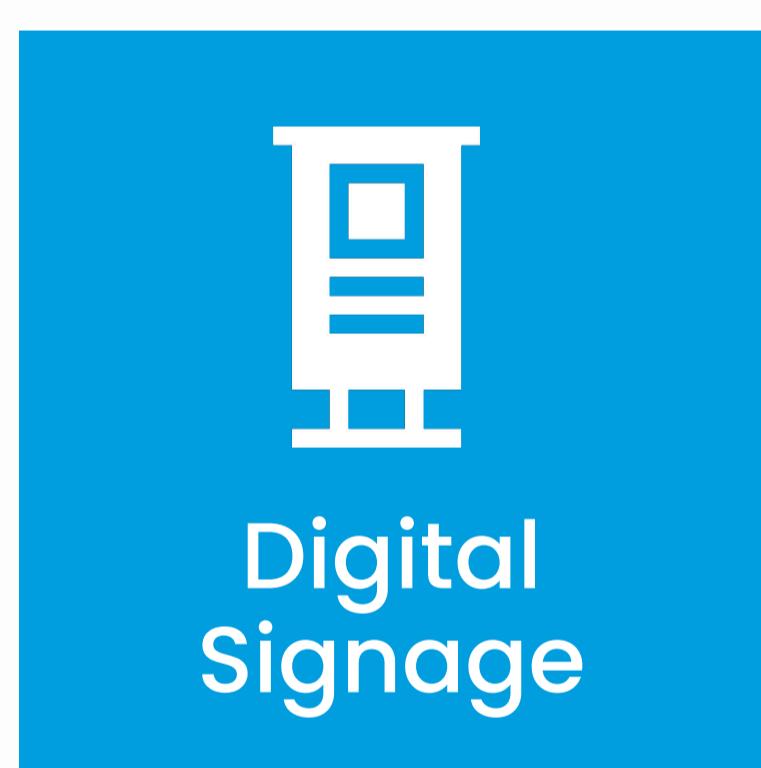
Point-of-Sale



Laundry



Parking Metre



Digital Signage



Waste Management



Vending Machine



Machine-to-Machine



Public AP



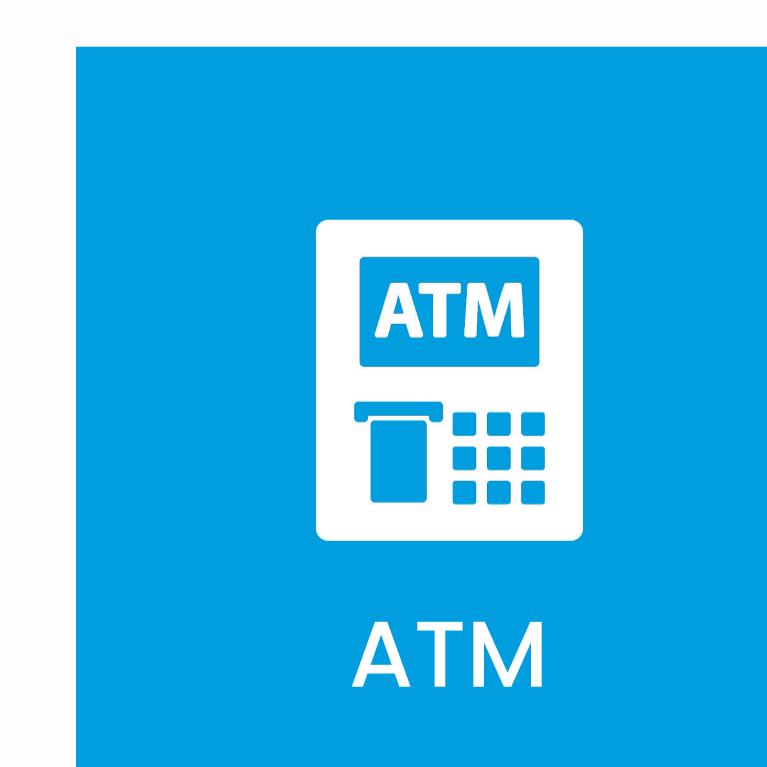
Smart City



Public Transit



Photobooth



ATM



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INDUSTRIAL ROUTER DUAL SIM 4G/LTE

Cellular Specification

Item	Details
Standard & Band	<p>FDD-LTE: 2600/2100/1800/900/800MHz, 700/1700/2100MHz (optional)</p> <p>TD-LTE: 2600/1900/2300/2500MHz (Band 38/39/40/41), 800/1400/ 1800MHz (optional)</p> <p>TD-SCDMA: 2010/1900MHz (A/F Band 34/39)</p> <p>EDGE/GPRS/GSM: 850/900/1800/1900MHz quad-band</p> <p>Support GPRS CLASS 10, EDGE CLASS 12</p>
Support	<p>Support GPRS CLASS 10, EDGE CLASS 12</p> <p>FDD-LTE: Downstream 150Mbps, Uplink 50Mbps</p> <p>TD-LTE: Downstream 130Mbps, Uplink 35Mbps</p> <p>TD-HSPA+: Downstream 4.2Mbps, Uplink 2.2Mbps</p> <p>HSDPA: Downstream 7.2Mbps</p> <p>HSUPA: Uplink 5.76Mbps</p> <p>UMTS: 384Kbps</p> <p>DC-HSPA+: Downstream 42Mbps, Uplink 5.76Mbps</p> <p>HSPA+: Downstream 21Mbps, Uplink 5.76Mbps</p>
Support	<p>Support GPRS CLASS 10, EDGE CLASS 12</p>



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INDUSTRIAL ROUTER DUAL SIM 4G/LTE



Technical Specification

Item	Details
Standard & Band	All bands: FDD-LTE, TD-LTE, EVDO, GPRS/EDGE
Bandwidth	FDD-LTE: Downstream 150Mbps, Uplink 50Mbps TD-LTE: Downstream 130Mbps, Uplink 35Mbps EVDO Rev. A: Downstream 3.1Mbps, Uplink 1.8Mbps
Transmit Power	<23dBm
Sensitivity	<-97dBm

WIFI Specification

Item	Details
Standard & Band Support	IEEE802.11b/g/n
Bandwidth	IEEE802.11b/g: 54Mbps (Max), IEEE802.11n: 144Mbps (Max)
Security Support	WEP, WPA, WPA2 encrypt methods, optional WPS function
Transmit Power	15±2dBm
Sensitivity	<-72dBm@54Mbps

Hardware System

Item	Details
CPU	Mediatek 7688
FLASH	32MB
DDR2	128MB



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Interface

Item	Details
WAN Interface	10/100M RJ45 ethernet port, adaptive MDI/MDIX, built-in 15KV ESD
LAN Interface	10/100M RJ45 ethernet port, adaptive MDI/MDIX, built-in 15KV ESD
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
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

Item	Details
Input Voltage	DC 12V/1.5A
Accepted Range	DC 5~36V

Power Consumption

Item	Details
Standby	95~135mA@12VDC
Communicating	165~220mA@12VDC

Physical Properties

Item	Details
Casing	Metal casing, IP30 protection level, suitable for most industrial control applications
Dimensions	93x89x24mm (excluding antennas and mountings)
Weight	250g



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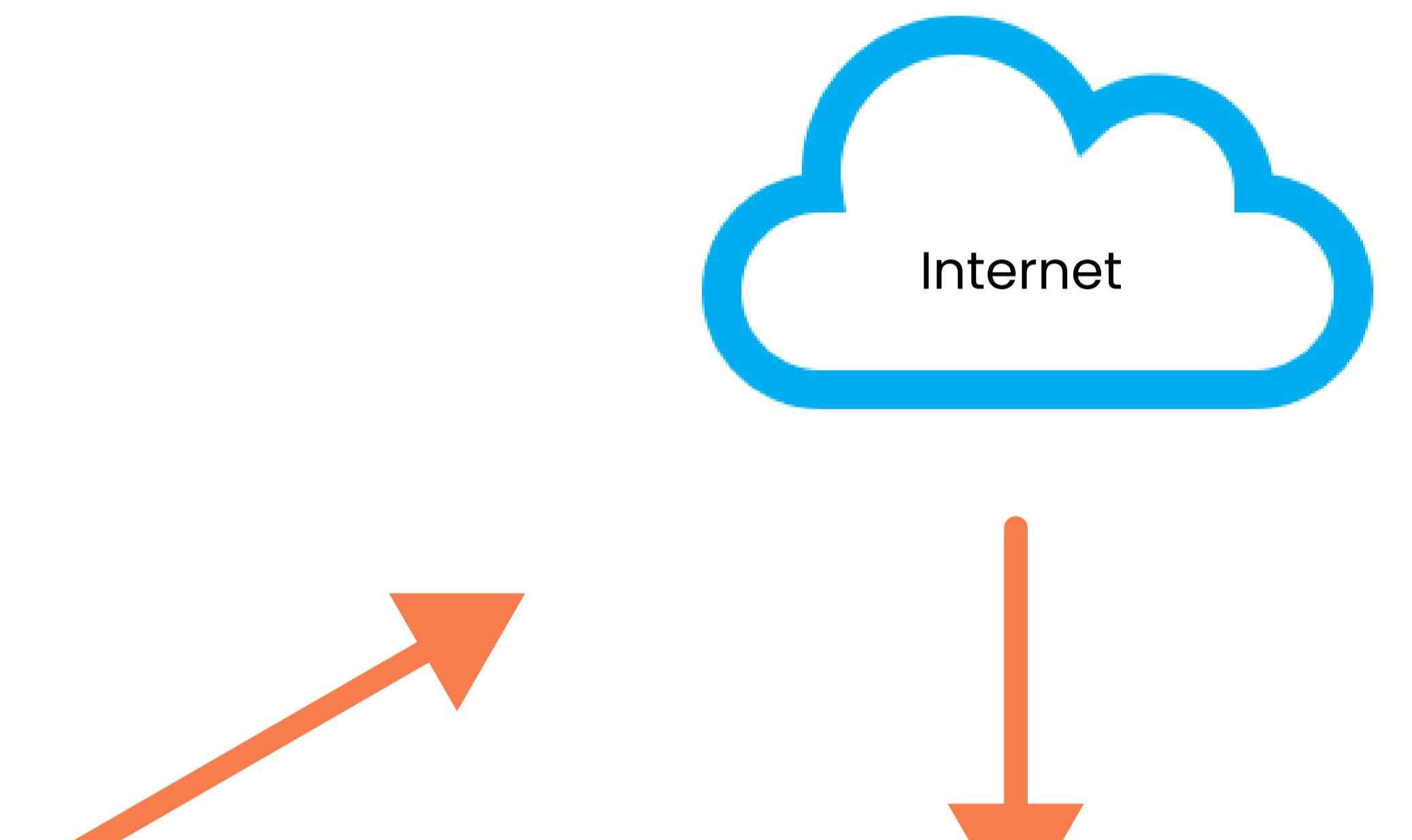
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INDUSTRIAL ROUTER DUAL SIM 4G/LTE



Others

Item	Details
Operating Temperature	-35~+75°C
Storage Temperature	-40~+85°C
Relative Humidity	95% (non-condensing)



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Technologies

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