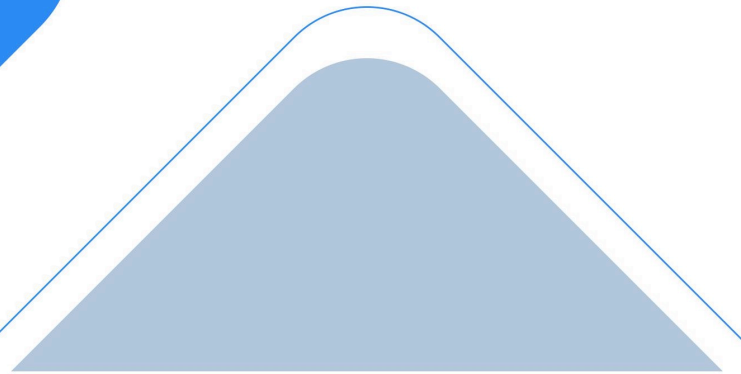


Industrial Router Lite Series MS-7UR32L

MoviSight

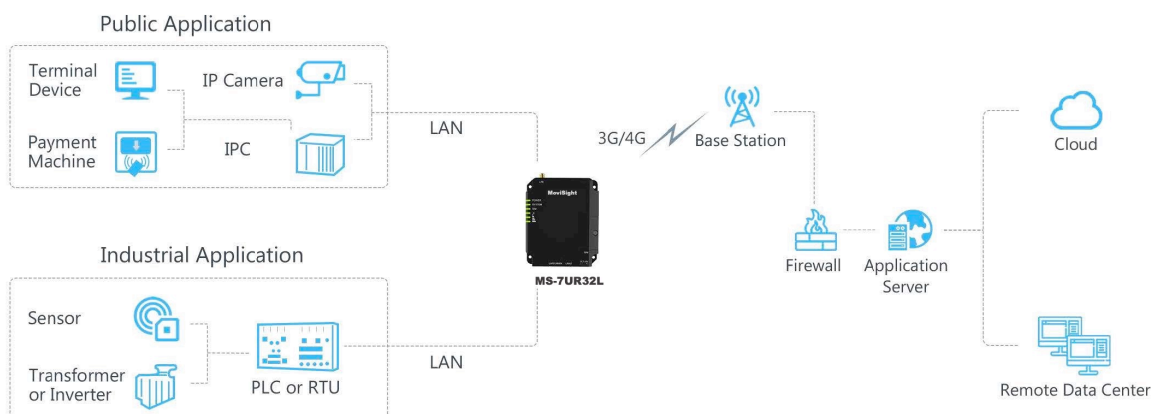


MS7-UR32L is a cost-effective industrial cellular router with embedded intelligent features that are designed for multifarious M2M/IoT applications. Global WCDMA and 4G LTE carrier supported make this drop-in connectivity a great help for operators in maximizing uptime. MS7-UR32L also has 2 fast Ethernet ports, which delivers users an uninterrupted internet access.

Integrating watchdog and multi-link failover detection, MS7-UR32L provides stable communications. Combining DeviceHub and MoviSight VPN, MS7-UR32L can help you manage network easily and efficiently.

Easy deployment and comprehensive remote device management makes MS7-UR32L versatile in most of IoT/M2M applications.

◆ Application Example



◆ Features

Reliable 3G/4G Network

- Global 4G LTE CAT4/3G network with multiple carrier networks
- Automated failover/failback between Ethernet and cellular (SIM card)

Industrial-Grade Design

- NXP industrial grade processor
- Rugged enclosure with IP30 protection for harsh environment
- DIN rail or shelf mounting
- Support wide operating temperature ranging from -40°C to +70°C/-40°F to +158°F

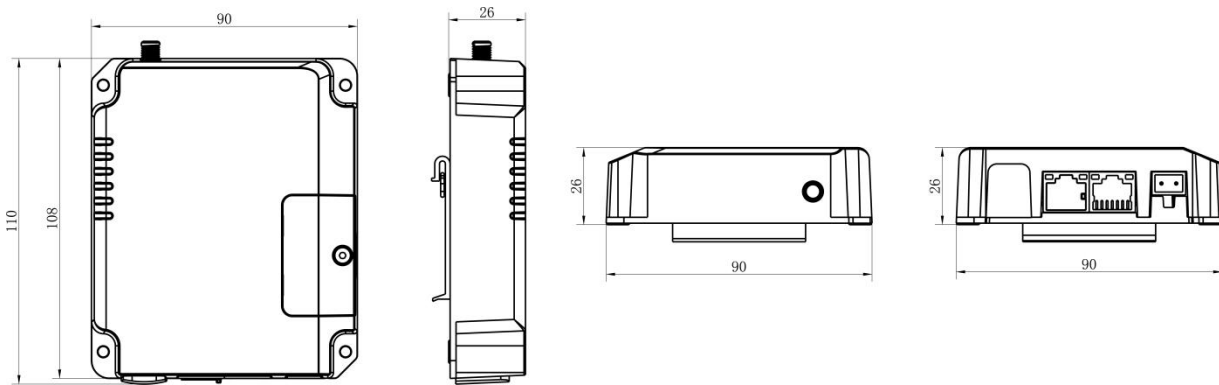
Security & Reliability

- Secure transmission with VPN tunnels like IPsec/OpenVPN/GRE/L2TP/PPTP /DMVPN
- Embeds hardware watchdog to automatically recover from various failures, ensure highest level of availability
- Supports access control lists, DMZ, DDoS Protection, Filters, SPI firewalls
- Establishes a secured mechanism on centralized authentication and authorization of device access by supporting AAA (Radius, TACACS+, LDAP, local Authentication) and multiple levels of user authority

Easy Maintenance

- DeviceHub provides easy setup, mass configuration, and centralized management of remote devices
- The user-friendly web interface design and more than one option of upgrade help administrator to manage the device as easy as pie
- WEB GUI and CLI enable the admin to achieve simple management and quick configuration among a large quantity of devices
- Efficiently manage the remote routers on the existing platform through the industrial standard SNMP

◆ Dimensions(mm)



◆ Specifications

Hardware System

CPU ARM Cortex-A7, 528 MHz

Memory 128 MB DDR3 RAM and 128MB Flash

Cellular Interface

Antenna Connector 1 × 50 Ω SMA Connectors (Center PIN: SMA Female)

SIM Slots 1 (Mini SIM-2FF)

Ethernet Interface

Numbers 2 × 10/100 Mbps

Property 1 × WAN + 1 × LAN or 2 × LAN

Mode Full or half duplex (Auto-Sensing)

PoE 2 × 802.3 af/at PoE PSE on LAN Ports (Optional)

Others

Reset Button 1 × RESET

LED Indicators 1 × POWER, 1 × SYSTEM, 1 × SIM, 3 × Signal strength

Built-in Watchdog, Timer

Software

Network Protocols IPv4/IPv6, PPP, PPPoE, SNMP v1/v2c/v3, TCP, UDP, DHCP, RIPv1/v2, OSPF, DDNS, VRRP, HTTP, HTTPS, DNS, ARP, QOS, SNTP, Telnet, VLAN, SSH, etc.

VPN DMVPN, IPsec, OpenVPN, PPTP, L2TP, GRE

Security Access Control, DMZ, Port Mapping, MAC Binding, SPI Firewalls, DoS&DDoS Protection, Filtering(IP&Domain), IP Passthrough

Management Web, CLI, SMS, On-demand dial up, SNMP v1/v2/v3, DeviceHub

AAA	Radius, Tacacs+, LDAP, Local Authentication
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Multilevel Authority	Multiple Levels of User Authority
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Reliability	VRRP, WAN Failover
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Power Supply and Consumption

Power Connector	2-pin 5.08 mm Terminal Block
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Input Voltage	9-48 VDC, with Surge-Protection and Reverse Polarity Protection
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Power Consumption	Typical 1.8 W, Max 2.2 W (In Non-PoE mode)
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Physical Characteristics

Ingress Protection	IP30
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Housing	Metal
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Dimension	108 x 90 x 26 mm (4.25 x 3.54 x 1.02 in)
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Installation	Desktop, Wall or DIN Rail Mounting
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Environmental

Operating Temperature	-40°C to +70°C (-40°F to +158°F)
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Temperature	Reduced Cellular Performance Above 60°C
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Storage Temperature	-40°C to +85°C (-40°F to +185°F)
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Ethernet Isolation	1.5 kV RMS
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Relative Humidity	0% to 95% (non-condensing) at 25°C/77°F
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Approvals

Regulatory	CE, FCC, RCM
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Environmental	RoHS
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EMC	EN 55032, EN 55035
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	IEC 61000-4-2 Level 3
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	IEC 61000-4-3 Level 2
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	IEC 61000-4-4 Level 2
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EMS	IEC 61000-4-5 Level 2
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	IEC 61000-4-6 Level 3
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	IEC 61000-4-8 Level 1
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	IEC 61000-4-11 Level 3
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Radio Frequency	EN 301 489-1/17/19/52, EN 301 511, EN 301 908-1/2/13, EN 303 413
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Safety	EN62368-1
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