

Milesight

RG2i  
—Specialiste IoT & M2M

# Milesight CCTV Router UR32S



## INTRODUCTION

By deploying it in practical CCTV projects, Milesight CCTV Router UR32S can achieve a stable and secure connection between on-site surveillance devices and remote side professional installers or technicians. In this way, Milesight cameras and NVRs can be managed easily and remotely in a more secure and efficient way.

## DATASHEET

## KEY FEATURES

### SMART REMOTE MANAGEMENT SOLUTION

- ▶ Achieve a stable and secure connection between on-site surveillance devices and remote side professional installers or technicians
- ▶ One-click through Milesight APP to automatically search for devices connected to the router
- ▶ Easily configure the remote access permissions of devices accordingly for installers or technician
- ▶ Remote access to the router and bulk configuration of devices connected to router via Milesight CMSs
- ▶ Reduce on-site visits & solve site issues efficiently

### 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
- ▶ 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
- ▶ Embed hardware watchdog to automatically recover from various failures, ensuring highest level of availability
- ▶ Support access control lists, DMZ, DDoS Protection, Filters, SPI firewalls
- ▶ Establish 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

## MILESIGHT SMART REMOTE MANAGEMENT SOLUTION





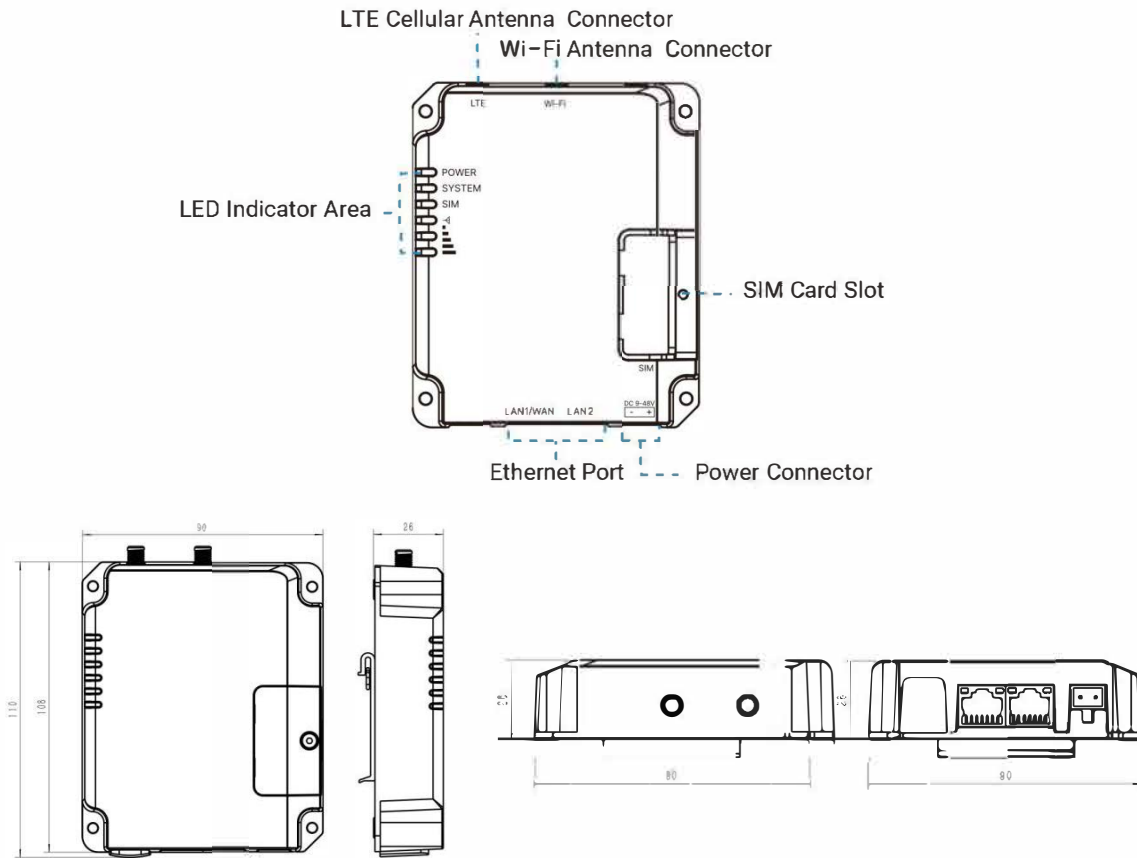
| Hardware System              | Model  | UR32S   |
|------------------------------|--|---|
| Hardware System              | CPU  | ARM Cortex-A7, 528 MHz  |
|                              | Memory   | 128 MB DDR3 RAM and 128MB Flash   |
| Cellular Interface           | Antenna Connector                                | 1×50Ω SMA Connector (Center PIN: SMA Female)  |
|                              | SIM Slots  | 1 (Mini SIM-2FF)  |
| Ethernet Interface           | Numbers  | 2 × 10/100 Mbps   |
|                              | Property   | 1 × WAN + 1 × LAN (Default) or 2 × LAN  |
|                              | Mode   | Full or half duplex (Auto-Sensing)  |
|                              | PoE  | 2 × 802.3 af/at PoE PSE on LAN Ports (Optional)   |
| Wi-Fi Interface              | Antenna Connector                                | 1×50Ω SMA Connector (Center PIN: RP-SMA Female)   |
|                              | Standards  | IEEE 802.11 b/g/n, 2.4GHz   |
|                              | Tx Power   | 802.11b: 16 dBm +/-1.5 dBm (11 Mbps)  |
|                              |  | 802.11g: 14 dBm +/-1.5 dBm (54 Mbps)  |
|                              |  | 802.11n: 13 dBm +/-1.5 dBm (65 Mbps, HT20/40 MCS7)  |
|                              | Modes  | AP or Client mode   |
| Security                     | WPA/WPA2 authentication, WEP/TKIP/AES encryption |   |
| 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, FRP, 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   |
|                              | Multilevel Authority                             | Multiple Levels of User Authority   |
|                              | Reliability                                      | VRRP, WAN Failover  |
| Power Supply and Consumption | Power Connector                                  | 2-pin 5.08 mm Terminal Block  |
|                              | Input Voltage                                    | 9-48 VDC, with Surge-Protection and Reverse Polarity Protection   |
|                              | Power Consumption                                | Typical 1.8 W, Max 2.2 W (In Non-PoE mode)  |
| Physical Characteristics     | Ingress Protection                               | IP30  |
|                              | Housing  | Metal   |
|                              | Dimension  | 108 x 90 x 26 mm (4.25 x 3.54 x 1.02 in)  |
|                              | Installation                                     | Desktop, Wall or DIN Rail Mounting  |



|                       |  |   |
|-----------------------|--|---|
| <b>Environmental</b>  | Operating Temperature  | -40°C to +70°C (-40°F to +158°F)        |
|                       | Storage Temperature  | -40°C to +85°C (-40°F to +185°F)        |
|                       | Ethernet Isolation   | 1.5 kV RMS                              |
|                       | Relative Humidity  | 0% to 95% (non-condensing) at 25°C/77°F |
| <b>Approvals</b>      | Regulatory   | CE, FCC, RCM                            |
|                       | Environmental  | RoHS                                    |
|                       | EMC  | EN 55032, EN 55035                      |
|                       | EMS  | IEC 61000-4-2 Level 3                   |
|                       |  | IEC 61000-4-3 Level 2                   |
|                       |  | IEC 61000-4-4 Level 2                   |
|                       |  | IEC 61000-4-5 Level 2                   |
| IEC 61000-4-6 Level 3 |  |   |
| Radio Frequency       | EN 301 489-1/17/19/52, EN 301 511, EN 301 908-1/2/13, EN 303 413 |   |
| Safety                | EN62368-1  |   |



## Structure Diagrams



Units: mm

## Application Example

