

AGS-7130-AC-LTE-T

Industrial Cellular Gateway, EOT : -30° C ~ 70° C



FEATURES

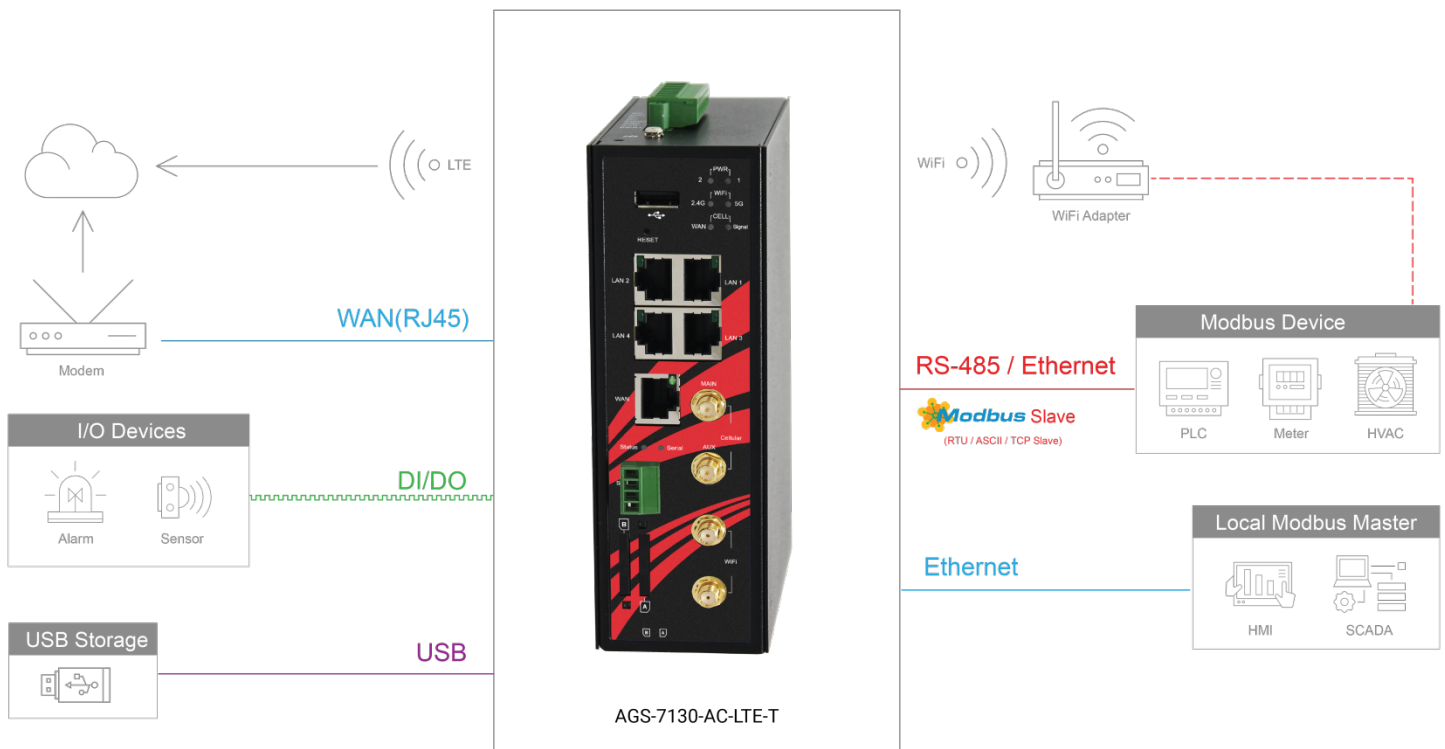
- ▶ Perfect for applications such as, smart factory, ITS (Intelligent Transportation System) and smart cities.
- ▶ Equipped with a dual-SIM LTE module with failover function.
- ▶ WiFi Compliance IEEE802.11n/ac 2T2R; Multiple (8) SSIDs for privilege group devices or users.
- ▶ 4*GE LAN port with tag based and port based VLANs easily to group control and relocate traffic pattern.
- ▶ Equipped with RS232/RS485 interface for Modbus RTU and various serial communication protocol, and DI/DO for device triggering or event reporting.
- ▶ Equipped with OPC UA server and multi-mode data logging function, store the collected logs on attached storage, for SCADA telemetry.
- ▶ Fully protocol with NAT/Routing/IPv6 compatible with most IP network.
- ▶ IPSec, OpenVPN, PPTP, and L2TP VPN support up to 16 concurrent tunnels with max 100Mbps throughput (IPSec).
- ▶ Firewall with SPI and IPS function prevent hacker attacking and enhance network efficiency.
- ▶ SNMP, Telnet CLI, and TR-069 for administrator to manage system.
- ▶ QoS and Bandwidth management for optimal bandwidth usage.
- ▶ Seamless power failover between redundant DC 12V~48V wide range power input.

INTRODUCTION

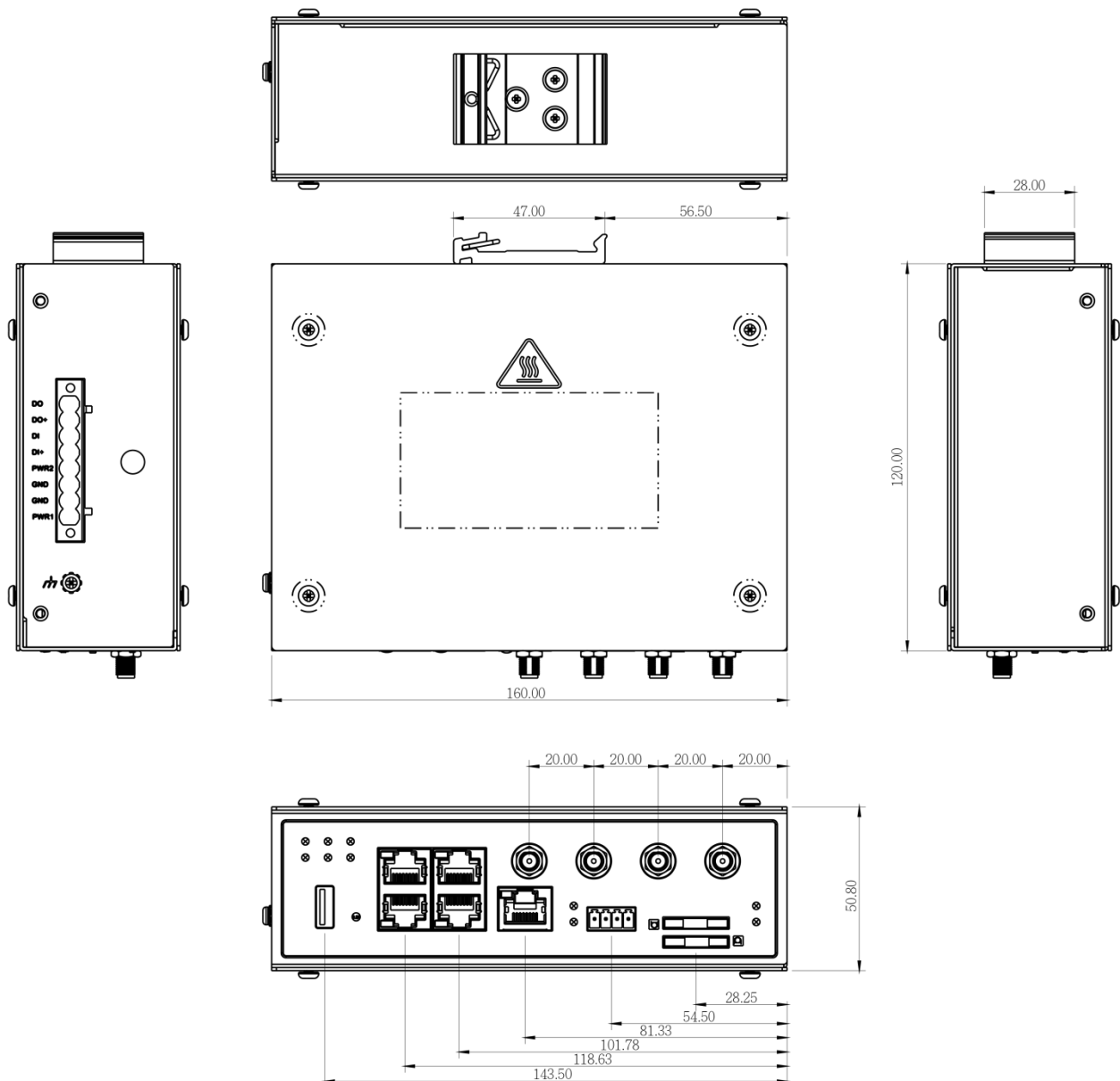
The AGS-7130 series product is loaded with luxuriant security features including VPN, firewall, NAT, port forwarding, DHCP server and many other powerful features for outdoor IP surveillance applications. The redundancy design in fallback 12-48 VDC power terminal, and dual SIM cards make the data transmission, and network connection without lost.

With a built-in world-class 4G LTE module, you just need to insert SIM card from local mobile carrier to get to the Internet. The dual SIM design provides a more reliable WAN connection for critical applications. By VPN tunneling technology, remote sites easily become a part of Intranet, and all data are transmitted in a secure (256-bit AES encryption) link. The feature of DI/DO allows gateway to have real-time response whenever events are detected by sensors. For M2M (Machine-to-Machine) applications, ANTAIRA Cellular Gateway is absolutely the right choice.

DIAGRAM



DIMENSIONS



SPECIFICATIONS

| Device Interfaces | |
|---------------------|--|
| Uplink | 1*LTE cat.4 module2 (dual SIM) 1*RJ45 GE (configurable) |
| LAN-RJ45 | 4*RJ45 GE |
| LAN-WiFi | 802.11a/b/g/n/ac 2T2R (2.4G/5GHz selectable) |
| Comm. Bus | 1*RS232/RS485 (4-pin Terminal Block) |
| I/O | 1*DI ("Logic 0": 0~2V, "Logic 1": 5V~30V), 1*DO (Relay Mode, up to 30V / 1A) |
| Log Storage | 1*USB 2.0 |
| Antenna | 2*SMA Jack (Female) for external LTE Ant. 2*SMA Jack (M) for ext. WiFi Ant. (2.4G/5GHz) |
| Power Source | Dual DC 12V~48V |
| WAN Functions | |
| WAN | Multiple WANs, Failover/Load Balance, Configurable Ethernet/4G |
| Cellular | 2G/3G/LTE, IP Pass-through SIM-SIM Failover / Failback |
| Ethernet | Dynamic IP, Static IP, PPPoE, PPTP, L2TP |
| IPv6 | Dual Stack, 6-in-4, 6-to-4 |
| Basic Functions | |
| Ethernet | LAN IP, Subnet Mask |
| WiFi Operation | AP Router, WDS, WDS Hybrid Modes |
| WiFi Security | WEP, WPA, WPA2, WPA-PSK, WPA2-PSK, 802.1x |
| VLAN | Port-based, Tag-based |
| Port Forwarding | Virtual Server/ Computer, DMZ Host PPTP/L2TP/IPSec Pass-through Routing: Static Dynamic: RIP1/RIP2, OSPF, BGP |
| QoS | Policy-based Bandwidth Control and Packet Flow Prioritization |
| Redundancy | VRRP |
| Field Communication | |
| Virtual COM | RFC2217, TCP Client, TCP Server, UDP |

| Modbus | Modbus Slave Modbus Gateway for Modbus TCP Master/Slave, Modbus RTU/ASCII Master/Slave Access |
|----------------------------|--|
| OPC UA | OPC UA Server, compliant to IEC 62541 Device Tag & Modbus Proxy Rules |
| MQTT | MQTT Broker, Broker Bridge, MQTT Client |
| Data Logging | Sniffer, Off-line Proxy, Full-time Proxy, Sniffer & Proxy mixed modes |
| Security | |
| VPN Tunneling | IPSec, OpenVPN, PPTP, L2TP, GRE Tunneling with Full Tunnel, Tunnel Failover |
| VPN Scenario | Site to Site, Site to Host, Host to Site, Host to Host, Hub and Spoke, Dynamic VPN |
| Firewall | SPI Firewall with Stealth Mode, IPS |
| Access Control | Packet Filter, URL Blocking, MAC Filter |
| Service | |
| Cellular Toolkit | SMS, Data Usage, SIM PIN, USSD, Network Scan |
| Event Handling | Managing / Notifying Events; DI, DO, SMS, Modbus, Syslog, SNMP Trap, Email Alert, Reboot |
| Administration | |
| Config. & Mgmt. | Web, Telnet CLI, Command Script, TR-069, SNMPv3 standard & Proprietary MIB |
| System Op. | MMI, System Info., System Time / Log, Backup & Restore, Reboot & Reset |
| FTP | FTP Server, User Account |
| Diagnostic | Packet Analyzer, Diagnostic Tools |
| Mechanical Characteristics | |
| Housing | Metal, IP30 protection |
| Dimensions | 62x125x160mm (w/o mounting kit) 62x135x160mm (with DIN Rail kit) |
| Weight | 1.57 Kg |
| Mounting | DIN-Rail Mounting, Wall Mounting |

| Environmental Limits | |
|------------------------------|--|
| Operation Temp. ³ | -30° C ~ 70° C |
| Storage Temp | -40° C ~ 85° C |
| Humidity | 10% ~ 95% (non-condensing) |
| Standards & Regulation | |
| EMI | EN 55032: 2015 +AC: 2016 Class B EN 61000-3-2:2014 EN 61000-3-3:2013 |
| EMS | EN 55024:2010+A1:2015 EN 61000-6-2:2005+AC:2005 IEC 61000-4-2(ESD) Level 4 IEC 61000-4-3(RS) Level 3 IEC 61000-4-4(EFT) Level 4 IEC 61000-4-5(Surge) Level 3 IEC 61000-4-6(CS) Level 3 IEC 61000-4-8(PFMF) Level 4 |

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| Radio | EN 301 489-1/-7/-17/-24/-52, EN 300 328 V2.1.1 EN 301 893 V1.8.1, EN 50385 |
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| Safety | EN 60950-1 |
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Certification

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| Approval / Certificate | CE |
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| Warranty | 5 years |
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Notes

- Specifications are subject to change without prior notice.
- Supported cellular frequency depends on regional hardware version.
- 3G/4G and WiFi performance will be degraded if device's ambient temperature is above 60°C.

ORDERING INFO

| Model Name | Product Description |
|-------------------|---|
| AGS-7130-AC-LTE-T | Industrial Cellular Gateway, EOT : -30° C ~ 70° C |

| Optional Accessories | |
|----------------------|---|
| HDR-60-24 | 60W Industrial Din Rail Power Supply, 24VDC |
| NDR-75-12 | 75W Industrial Din Rail Power Supply, 12VDC |