AGS-7130-AC-LTE-T

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

FEATURES
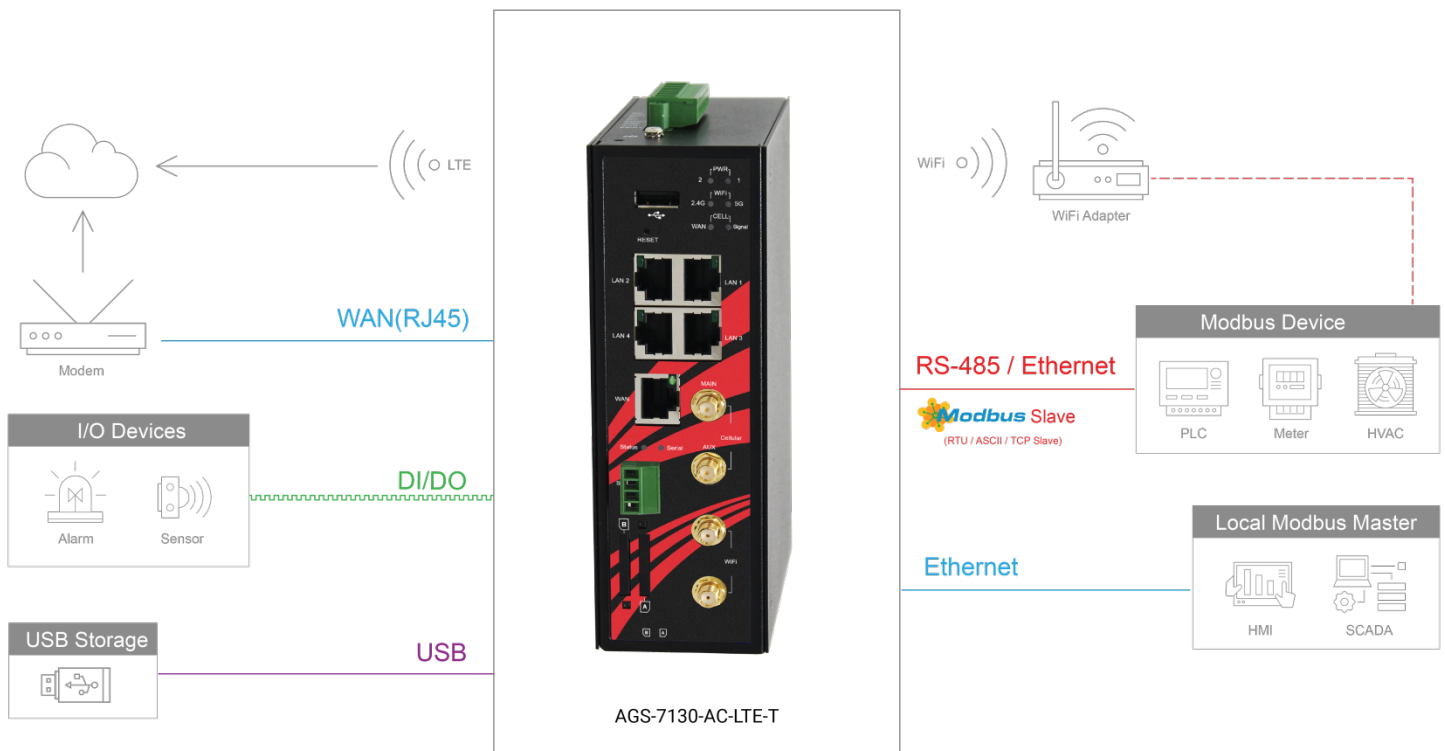
▶ Perfect for applications such as, smart factory, ITS (Intelligent Transportation System) and smart cities.

▶ 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.
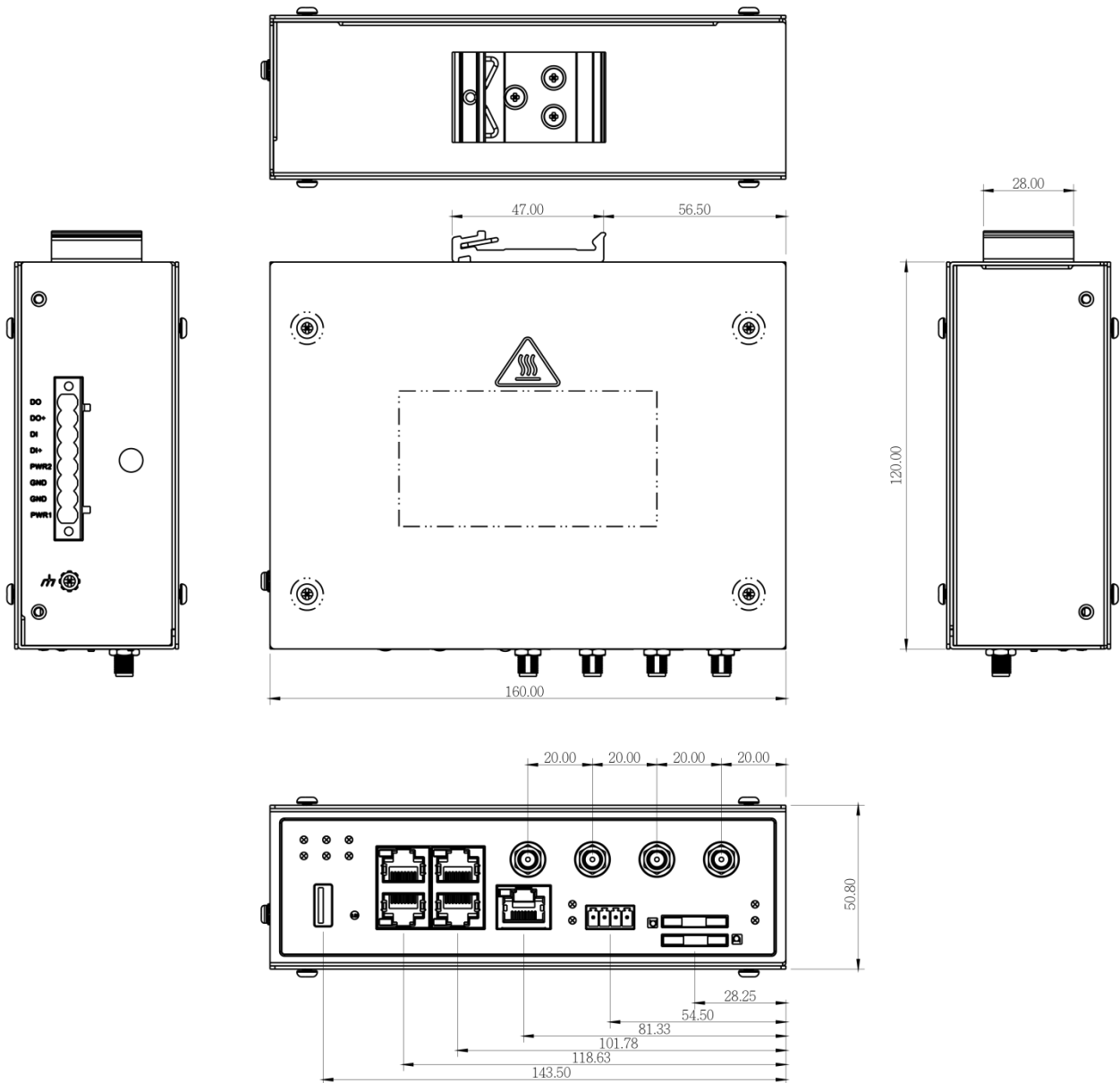
INTRODUCTION

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

AGS-7130-AC-LTE-T

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	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 & Protrietary 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

Radio	EN 301 489-1/-7/-17/-24/-52, EN 300 328
	V2.1.1
	EN 301 893 V1.8.1, EN 50385
Safety	EN 60950-1
Certification	
Approval / Certificate	CE
Warranty	5 years

Notes

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

ORDERING INFO

Model Name	Product Description
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Optional Accessories	
HDR-60-24	60W Industrial Din Rail Power Supply, 24VDC
NDR-75-12	75W Industrial Din Rail Power Supply, 12VDC