AGS-7130-AC-LTE-T-LA

Industrial Dual Radio 802.11a/b/g/n/ac WiFi Access Point/Client/Bridge/Repeater plus LTE Radio with Router and Modbus Gateway Capabilities, EOT: -30°C ~ 70°C for Latin America applications only – Not certified with US & Canada carriers
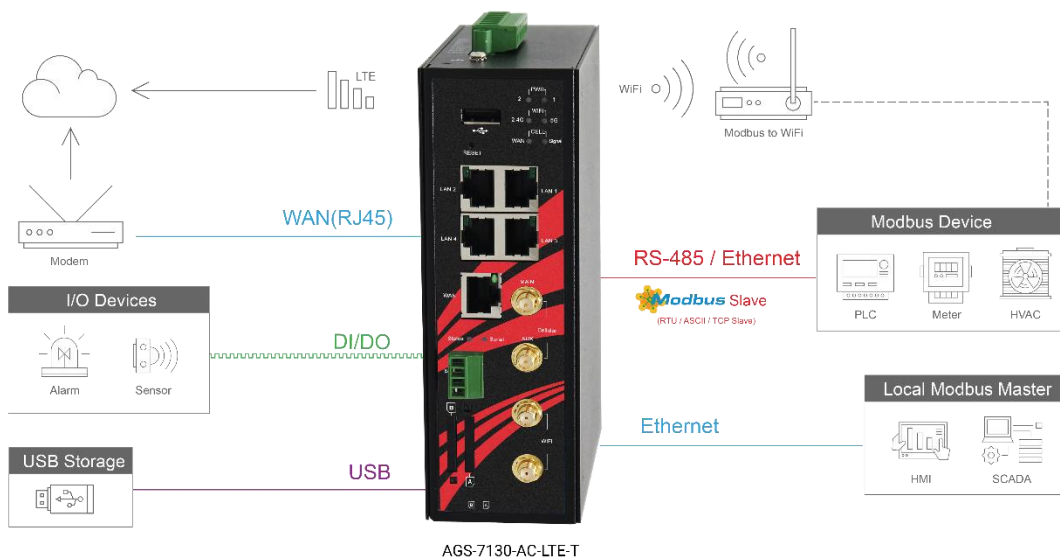
Features

► Smart Industry, Smart Utility, and Smart City applications.
► 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/ASCII 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, which stores the collected logs on attached storage for SCADA telemetry.
► Embedded with a comprehensive range of protocols, such as NAT, Routing, and IPv6.
► Featuring various VPN technologies, such as IPSec, OpenVPN, PPTP and L2TP, supporting up to 16 concurrent IPSec tunnels with max 100Mbps throughput.
► Embedded with SPI firewall and IPS function, which prevents from cyber-attacks.
► SNMP, Telnet & SSH via the CLI, and TR-069 for remote management.
► QoS and Bandwidth management for optimal bandwidth usage.
► Seamless power failover between redundant DC 12V~48V wide range power input.
► 5-Year Warranty

INTRODUCTION

Antaira Technologies' AGS-7130-AC-LTE-T-LA 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 a SIM card from a local mobile carrier to get access 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 the Intranet, and all data are transmitted in a secure (256-bit AES encryption) link. The feature of DI/DO allows the gateway to have real-time response whenever events are detected by sensors. For M2M (Machine-to-Machine) applications, the AGS-7130-AC-LTE-T-LA is absolutely the right choice.

DIAGRAM

AGS-7130-AC-LTE-T

DIMENSIONS

Unit: mm (inch)

5(0.2)

35(1.4)

129.6(5.1)

55.7(2.2)

160(6.3)

50.8(2.0)

8.5(0.3)

120(4.7)

Din-rail
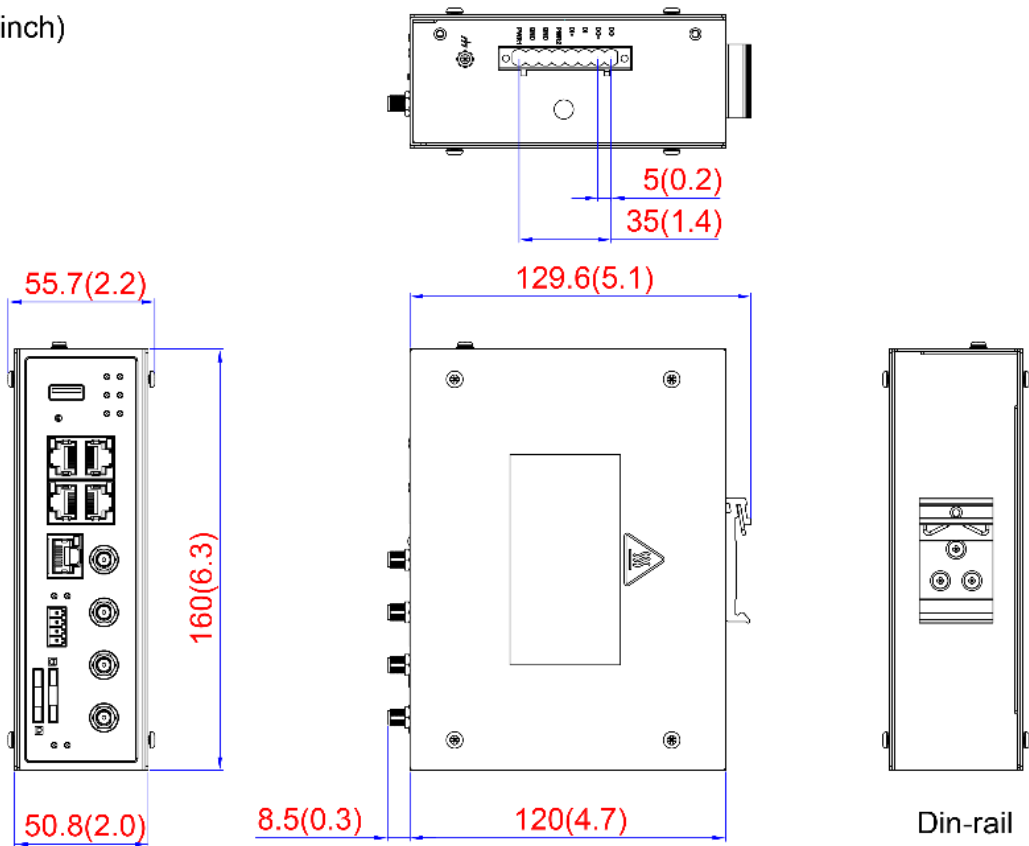
SPECIFICATIONS

Device Interfaces

Uplink	1*LTE cat.4 module 2 (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	Static IPv6, DHCPv6, PPPoEv6

Basic Functions

Ethernet	LAN IP, Subnet Mask
WiFi Operation	AP Router, WDS only, WDS Hybrid Modes
WiFi Security	WEP, WPA, WPA2, WPA-PSK, WPA2-PSK, 802.1x
VLAN	Port-based, Tag-based
DNS & DDNS	Third Party Providers: DynDNS.org (Dynamic/Custom), No-IP.com, TZO.com, and Dynamic DO!.jp (free/Charge)
Port Forwarding	Virtual Server / Computer, DMZ Host Pass-through: PPTP/L2TP/IPSec
Routing	Static and Dynamic: RIPv1/v2, OSPF, and 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
Data Logging	Sniffer, Off-line Proxy, Full-Time Proxy, Sniffer & Proxy mixed modes

Security

VPN Tunneling	IPSec, OpenVPN, Tunneling with Full Tunnel, Tunnel Failover
IPSec Tunnel Scenario	Site to Site, Site to Host, Host to Site, Host to Host
Firewall	SPI Firewall with Stealth Mode, IPS
Access Control	MAC Control

Service

Cellular Toolkit	SMS, Data Usage, SIM PIN, USSD, Network Scan
Event Handling	Managing / Notifying Events; DO, SMS, Modbus, Syslog, SNMP Trap (v1/v2c), Email Alert, Remote Host, and MQTT

Administration

Configuration & Management	Web, Telnet & SSH via the CLI, Command Script, TR-069, SNMP (v1/v2c/v3) & Private MIB
System Operation	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 (without mounting kit) 62x135x160mm (with DIN Rail kit)
Weight	3.46 lbs.
Mounting	DIN-Rail Mounting, Wall Mounting

Environmental Limits

Operation Temperature	-30°C ~ 70°C
Storage Temperature	-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	FCC, 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

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