AGS-7230-AC-T-US

Industrial Dual Radio 802.11a/b/g/n/ac WiFi Access Point/Client/Bridge/Repeater with Router and Modbus Gateway Capabilities; EOT: -30°C ~ 70°C for US applications



Features

- **Built-in 802.11ac/n WiFi uplink for wireless M2M application**
- **Equipped 802.11n/ac 2T2R 5GHz and 2.4G/5GHz selectable WiFi access point**
- **Multiple (8) SSIDs for privilege group devices or users**
- **4*GE LAN port with tag 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 multi-mode data logging function, which stores the collected logs on attached storage for SCADA telemetry**
- **Equipped with a comprehensive range of protocols, such as NAT, Routing, and IPv6**
- **Featuring various VPN technologies, such as IPSec and OpenVPN, 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**

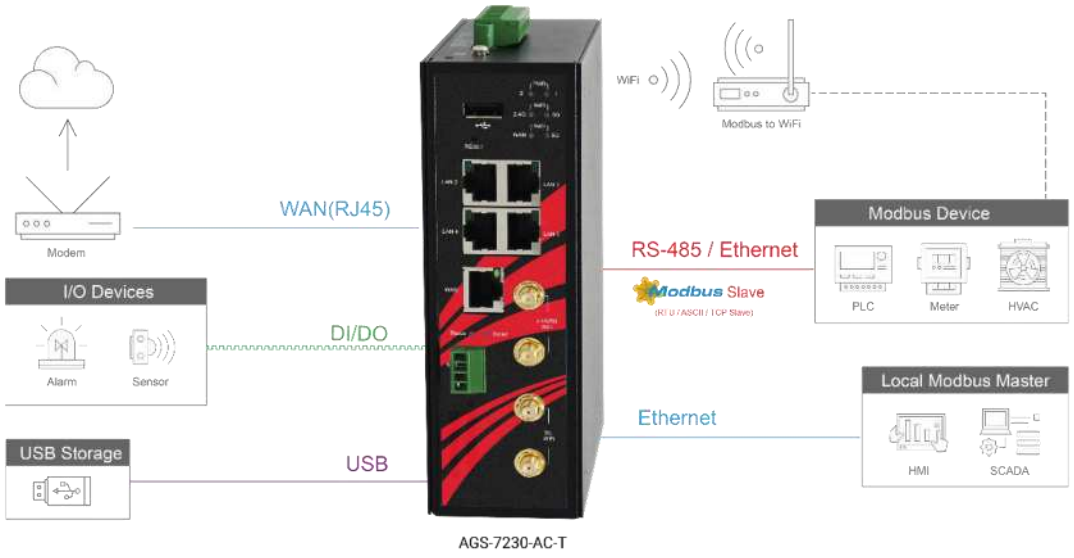
INTRODUCTION

Antaira Technologies' AGS-7230-AC-T-US is an industrial wireless gateway that 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 is in the fallback 12~48VDC power terminal.

With built-in 802.11ac/n compliant single band or dual-band WiFi module, you just need to find out an available wireless network (or Access Point), and the WiFi VPN Gateway can simply connect to the wireless network and connect your filed devices to the local management center. 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.

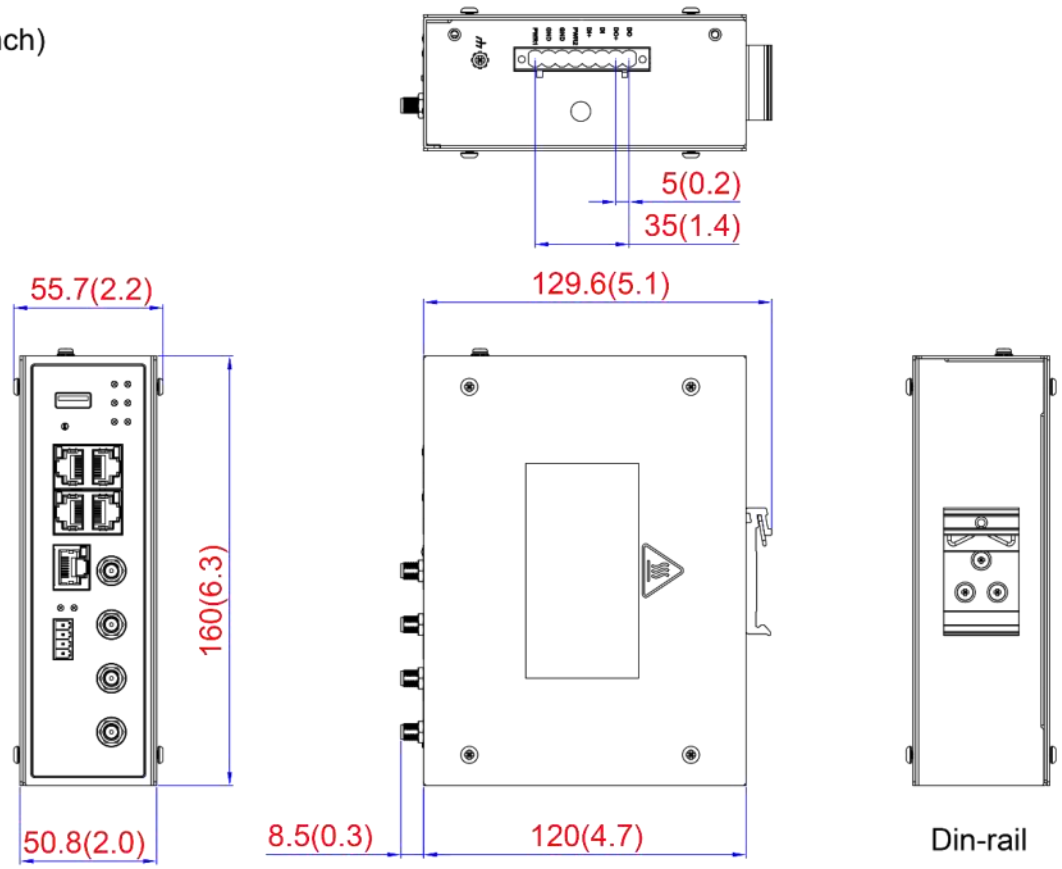
For wireless M2M (Machine-to-Machine) applications, the AGS-7230-AC-T-US is absolutely the right choice.

DIAGRAM



DIMENSIONS

Unit: mm (inch)



SPECIFICATIONS

Device Interfaces	
Uplink	11ac (5GHz) and 11n (2.4GHz) WiFi Uplink 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 (M) for ext. WiFi Ant. (5GHz) 2*SMA Jack (M) for ext. WiFi Ant. (2.4G/5GHz)
Power Source	Dual DC 12V~48V
WAN Functions	
WAN	Multiple WANs, Load Balance, Configurable Ethernet
WiFi	11ac 2T2R and 11n 2T2R WiFi Uplink
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
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
Field Communication	
Virtual COM	RFC2217, TCP Client, TCP Server, UDP
Modbus	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	
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, 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	3.44 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.

ORDERING INFO

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