

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

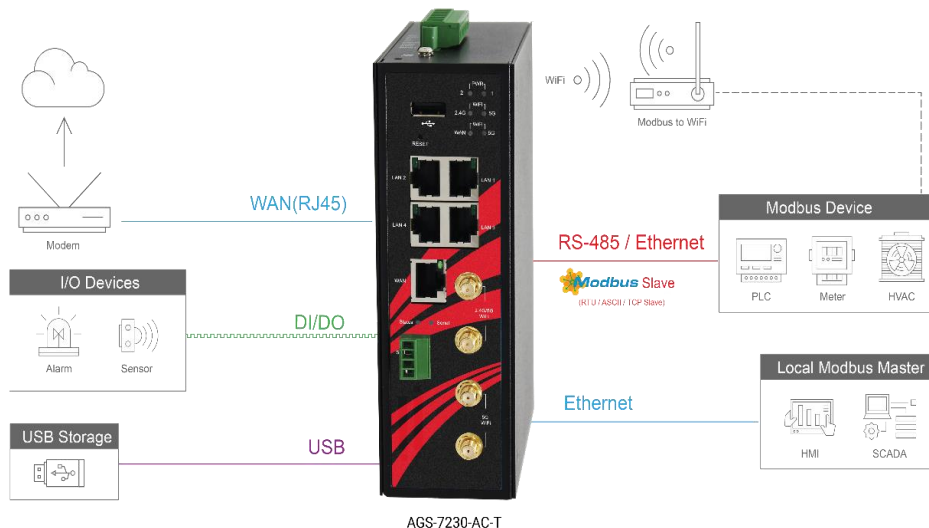
INTRODUCTION

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.

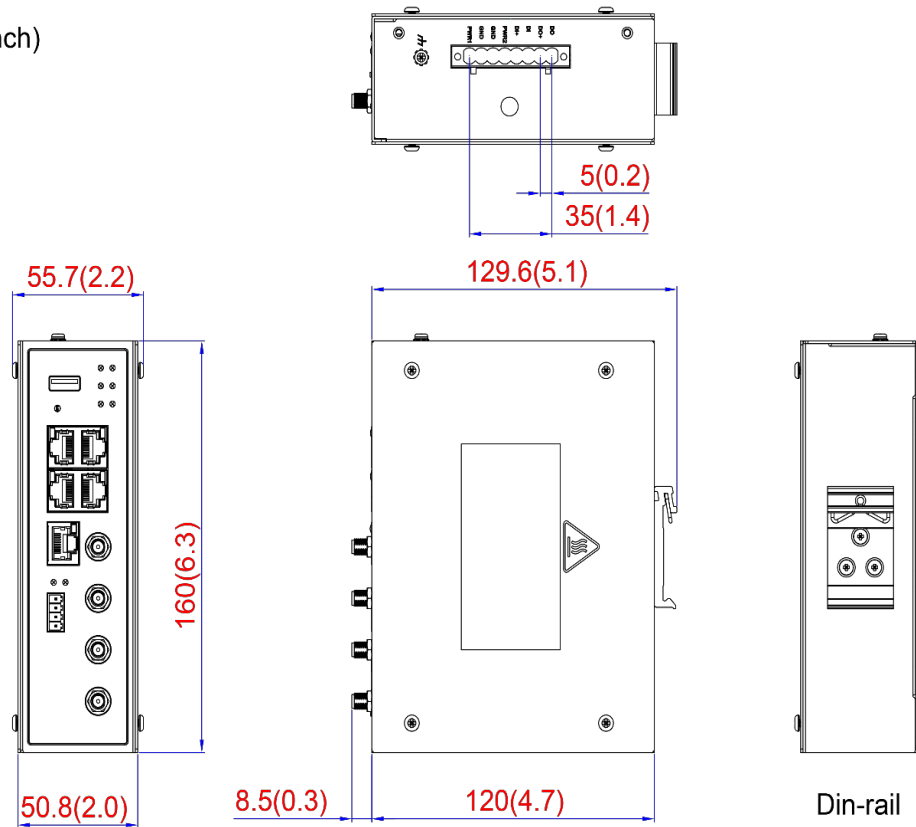
For wireless M2M (Machine-to-Machine) applications, the AGS-7230-AC-T-US is absolutely the right choice.

DIAGRAM



DIMENSIONS

Unit: mm (inch)



SPECIFICATIONS

Device Interfaces		Service	
Uplink	11ac (5GHz) and 11n (2.4GHz) WiFi Uplink 1*RJ45 GE (Configurable)	Event Handling	Managing / Notifying Events; DO, SMS, Modbus, Syslog, SNMP Trap (v1/v2c), Email Alert, Remote Host, and MQTT
LAN-RJ45	4*RJ45 GE	Administration	
LAN-WiFi	802.11a/b/g/n/ac 2T2R (2.4G/5GHz selectable)	Configuration & Management	Web, Telnet & SSH via the CLI, SNMP (v1/v2c/v3) & Private MIB
Comm. Bus	1*RS232/RS485 (4-pin Terminal Block)	System Operation	MML, System Info., System Time / Log, Backup & Restore, Reboot & Reset
I/O	1*DI ("Logic 0": 0~2V, "Logic 1": 5V~30V), 1*DO (Relay Mode, up to 30V / 1A)	FTP	FTP Server, User Account
Log Storage	1*USB 2.0	Diagnostic	Packet Analyzer, Diagnostic Tools
Antenna	2*SMA Jack (M) for ext. WiFi Ant. (5GHz) 2*SMA Jack (M) for ext. WiFi Ant. (2.4G/5GHz)	Mechanical Characteristics	
Power Source	Dual DC 12V~48V	Housing	Metal, IP30 protection
WAN Functions		Dimensions	62x125x160mm (without mounting kit) 62x135x160mm (with DIN Rail kit)
WAN	Multiple WANs, Load Balance, Configurable Ethernet	Weight	3.44 lbs.
WiFi	11ac 2T2R and 11n 2T2R WiFi Uplink	Mounting	DIN-Rail Mounting, Wall Mounting
Ethernet	Dynamic IP, Static IP, PPPoE, PPTP, L2TP	Environmental Limits	
IPv6	Static IPv6, DHCPv6, PPPoEv6	Operation Temperature	-30°C ~ 70°C
Basic Functions		Storage Temperature	-40°C ~ 85°C
Ethernet	LAN IP, Subnet Mask	Humidity	10% ~ 95% (non-condensing)
WiFi Operation	AP Router, WDS only, WDS Hybrid Modes	Standards & Regulation	
WiFi Security	WEP, WPA, WPA2, WPA-PSK, WPA2-PSK, 802.1x	EMI	EN 55032: 2015 +AC: 2016 Class B EN 61000-3-2:2014 EN 61000-3-3:2013
VLAN	Port-based, Tag-based	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
Port Forwarding	Virtual Server / Computer, DMZ Host Pass-through: PPTP/L2TP/IPSec	Radio	EN 301 489-1/-7/-17/-24/-52 EN 300 328 V2.1.1 EN 301 893 V1.8.1, EN 50385
Routing	Static and Dynamic: RIPv1/v2, OSPF, and BGP	Safety	EN 60950-1
QoS	Policy-based Bandwidth Control and Packet Flow Prioritization	Certification	
Field Communication		Approval / Certificate	FCC, CE
Virtual COM	RFC2217, TCP Client, TCP Server, UDP	Warranty	5 Years
Modbus	Modbus Gateway for Modbus TCP Master/Slave, Modbus RTU/ASCII Master/Slave Access	Notes	
Data Logging	Sniffer, Off-line Proxy, Full-Time Proxy, Sniffer & Proxy mixed modes	1. Specifications are subject to change without prior notice.	
Security		2. Supported cellular frequency depends on regional hardware version.	
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		

ORDERING INFO

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Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

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