INDUSTRIAL 10GB MANAGED LAYER 2+ SWITCHES

Ruggedised Ethernet Solutions

The AMG 560 Series Industrial Managed Ethernet switches are designed for medium to large network environments to strengthen network connections. The entire range offers unique features which will prove of huge benefit when implementing IP-based, integrated security systems.

[AMG560-8G-4XS]

Gigabit	Gigabit	1/10 Gb	Temp	Mounting	Managed
Up to x8	Up to x8	Up to x4	-40°C~+75°C	DIN/Surface	Full

OVERVIEW

The 560 series switches are DIN Rail type industrial managed switches. They are designed with 8x Gigabit RJ45 ports and 4x 10Gb SFP+ slots for highly critical applications such as real time IP video surveillance, WiMax systems and Wireless APs.

These switches support ERPSv2 with easy to set up user interface, which allows it to recover from network disconnection in less than 20ms with 250 switches connected in a ring network topology while transmitting/receiving data at full network speed.

To optimize the industrial network environment the switches support advanced network features, such as Tag VLAN, IGMP snooping, QoS, LACP, ect.

The switches can be smartly configured through Web Browser, SNMP Telnet and RS232 local console.

The failure notifications are sent through e-mail, SNMP trap, Local/Remote system log or multiple event alarm relay.

FEATURES

- Standalone format for minimum space usage
- 10/100/1000Mbps full bandwidth Ethernet
- Supports RSTP, MSTP, ERPSv2 and LACP for Network Redundancy
- Smart web-based configuration and management
- LED indicators
- PoE short circuit and over current protection
- DIN-Rail and wall mounting formats available
- Extended operating temperature compared with industry equivalents -40°C to+75°C
- Console Port - CLI

AMG Systems Ltd. 3 The Omega Centre, Stratton Business Park, Biggleswade, Bedfordshire, SG18 8QB
T :: +44 (0) 1767 600 777 E :: sales@amgsystems.com
D39126-00

Specifications.

Standards.

IEEE 802.3i	10BaseT
IEEE 802.3u	100BaseTX, 100BaseFX
IEEE 802.3ab	1000BaseTX
IEEE 802.3z	1000BaseX
IEEE 802.3ae	10GBase over Fibre
IEEE 802.3x	Flow Control and Back Pressure
IEEE 802.3ad	Port Trunk with LACP
IEEE 802.3ac	Frame Size Extension
IEEE 802.3af	Power over Ethernet
IEEE 802.3at	Power over Ethernet +
IEEE 802.1D	Spanning Tree
IEEE 802.1w	Rapid Spanning Tree
IEEE 802.1s	Multiple Spanning Tree
ITU-T G.8032	Ethernet Ring Protection Switch (ERPS)
IEEE 802.1p	Class of Service
IEEE802.1x	User Aucthentication (Radius)
IEEE802.1ab	LLDP
IEEE 802.1Q	Virtual LAN
IEEE 802.1ad	Stacked VLANs
Processing Type	Store-and-Forward CSMA/CD,
Protocol	IGMPv1/v2, SNMPv1/v2c/v3, TFTP, SNTP,SMTP, RARP, RMON, Syslog
Address Table Size	16K MAC addresses
Packet BufferVLAN	12Mbits
ID Group IGMP	1023
Jumbo Frames	16K

Interface.

LED Indicators	
Per unit:	Pwr 1, Pwr 2, Fault, Ring Master
RJ45 Ports:	Link/Activity
Configuration	Web-based, Telnet, Console, Cisco-like CLI, TFTP, SSH, SSL, SNMP v1/v2c/v3, RMON, USB
USB Port	1x USB 2.0 for firmware update, configuration backup/ restore/boot up and syslog

Ethernet.

RJ45 Ports	8x 10/100/1000TX
SFP Ports	4x 1/10G SFP+ slot
	Auto MDI/MDIX

Power.

Input Voltage	12 to 48V_{DC} (non-PoE models)
	48 to 57V_{DC} (PoE models)
Power Consumption	17W full load
Reverse Polarity Protection	Yes

Note: Redundant PSUs are supported

PoE (per port).

Input Voltage	48 to 56V_{DC}
Output Power	25.5 to 34.2W
Output Voltage	50 to 57V_{DC}
PoE budget	Max. 240W total

General.

Operating Temp.	-40°C to +75°C
Storage Temp.	-40°C to +85°C
Ambient Relative Humidity	5% to 95% (Non-condensing)

Mechanical.

Casing	IP 30 Protection Metal case
Installation	Wall or DIN-Rail mount
Dimensions	74 × 145 × 118 mm

Regulatory.

EMI	FCC Class A
EMS	EN61000-4-2 (ESD), EN61000-4-3 (RS), EN61000-4-4 (EFT), EN61000-4-5 (Surge), EN61000-4-6 (CS), EN61000-4-8,
Free Fall	IEC60068-2-32
Shock	IEC60068-2-27
Vibration	IEC60068-2-6
Green	RoHS Compliant
Certifications	CE, FCC

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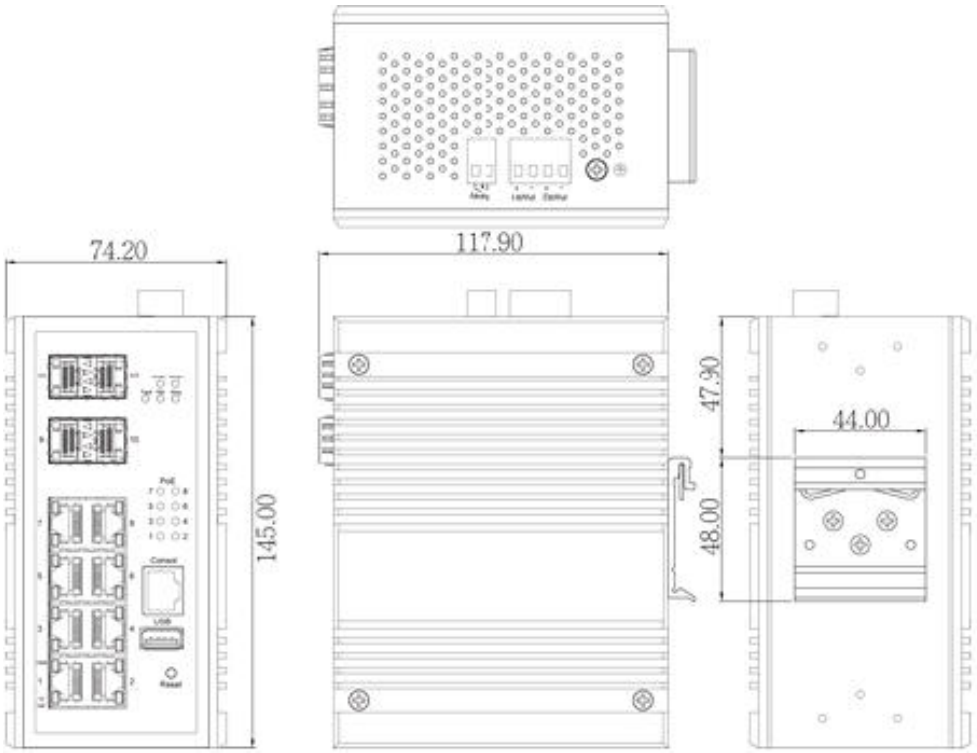
Specifications.



Part Numbers.

AMG560-8G-4XS	Industrial Managed 10Gb Switch, 8x 10/100/1000Tx & 4x 1/10Gb SFP+, -40°C to +75°C
AMG560-8GAT-4XS-P240	Industrial Managed 10Gb PoE+ Switch, 8x 10/100/1000Tx with 802.3at PoE & 4x 1/10Gb SFP+, -40°C to +75°C

Recommended PSUs.

AMG2004	DIN-Rail mounting PSU, $15V_{DC}$, 24W
AMG2012	DIN-Rail mounting PSU, $48V_{DC}$, 240W

Notes.

Optional Accessories: SFP modules - Optical/Copper see separate list, need to be ordered separately

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