

10-Port Gigabit Managed Industrial PoE Switch





Technical Specifications

Supports

8 x 10/100/1000Base-TX PoE ports,
2 x Gigabit SFP ports, 1 x Console port.

Standards Compliance: IEEE802.3, IEEE 802.3i, IEEE802.3u,
IEEE802.3x, IEEE802.3z/ab, IEEE802.1Q, IEEE802.1p,
IEEE802.1D/W, IEEE802.3at (30W). Protocol

Support: Spanning Tree Protocol (STP) 802.1D
Rapid Spanning Tree Protocol (RSTP) 802.1W
Multiple Spanning Tree Protocol (MSTP) 802.1s
Ethernet Ring Protection Switching (ERPS)

Management Features: PoE management
SNMP v1/v2/v3

Advanced Networking Features: L2 IGMP Snooping
L4 Static Multicast filtering MLD Snooping filtering
802.1x port authentication and 3A authentication for
enhanced network security
Additional Features: Critical Alarm Relay
RMON Support
IPv4 support and future-proof IPv6 support.

Supports Management Options:

WEB, Telnet, CLI, SSH

Design and Build:

IP40 protection grade with a high-strength aluminum casing
Compatible with DIN35 rail mounting

Industrial Design:

Suitable for operating temperatures between -40°C and +80°C
Supports redundant power supply access and prevents reverse
polarity

Port Lightning Protection: General Mode: 6KV

Differential Mode: 4KVESD: 15KV

Compliance:

Conforms to EMC EN55032 standard

Additional Features:

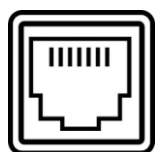
PD Alive Check (WatchDog) support



AN600-AFGM-82S



F/O Converter



LAN



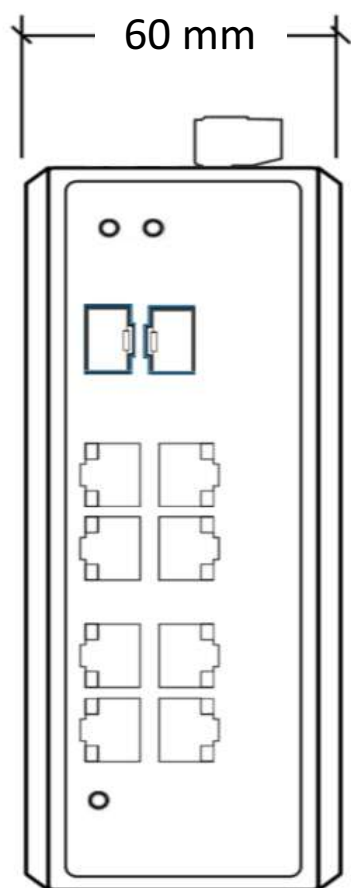
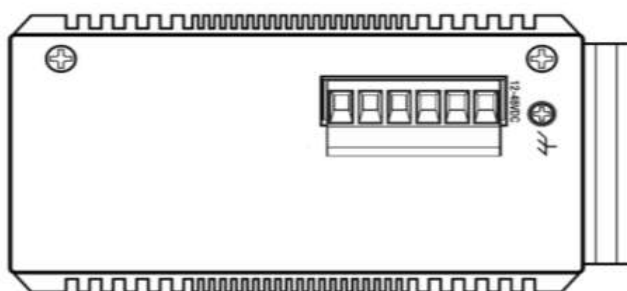
Monitoring Center

Cameras

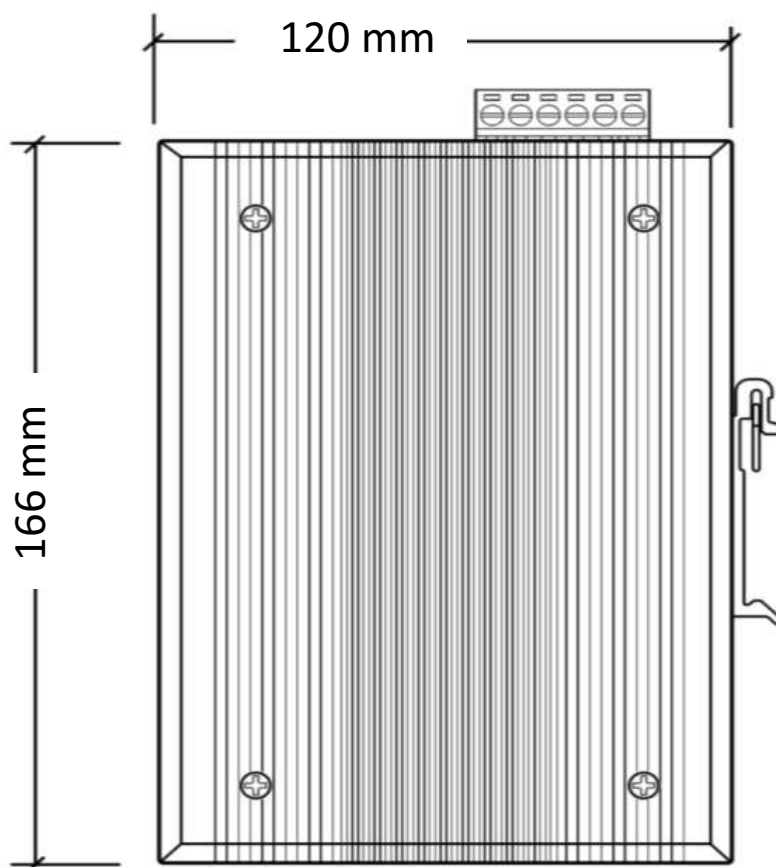
Product Name	10-Port Gigabit Managed Industrial Switch
Product Model	AN600-AFGM-82S
Interface	Ports:4 x 10/100/1000M Copper RJ-45 ports2 x 1000M SFP ports1 x Console port
Network Protocols	Supported Standards:IEEE802.3IEEE802.3uIEEE802.3zIEEE802.3abIEEE802.3xIEEE802.3iIEEE802.1dIEEE802.1w
L2 (Layer 2 Switching)	
Port Management	Enable/disable ports Configure speed, duplex, MTU settings, etc. Flow-control configuration Supports port mirroring Supports port access direction and VLAN visualization Supports port speed limiting and port isolation settings Suppression of unknown unicast, multicast, and broadcast storms PD Alive support
Spanning Tree Protocol	Standard Spanning Tree (STP) 802.1d Rapid Spanning Tree (RSTP) 802.1w Multiple Spanning Tree (MSTP) 802.1s
Ring Network Protocol	ERPS
Link Aggregation	Static Manual Aggregation Support: LACP dynamic link aggregation support (IEEE 802.3ad).
VLAN	VLAN Support: Port-based VLAN and IEEE 802.1Q VLAN.
IGMP Snooping	Static Add/Delete Support: Supports v1/2/3 dynamic multicast.
GMRP	GARP Support: GARP multicast registration protocol.
MAC	Static Add/Delete Support MAC Address Learning Limit Supports Dynamic Aging Time Settings Supports 16,000 MAC Entries
L3 (Layer 3 Switching) and Router Function Support	
Interface Configuration	Virtual VLAN Interface Support
ARP	ARP Check Support
Router Function	Static Routing
Extended Function Support	
ACL	Based on Source MAC, Destination MAC, Protocol Type, Source IP, Destination IP, and L4 Port Number Supports Time-Range Management
QoS	Based on 802.1p (COS) Classification Based on DSCP / TOS Classification Classification based on Source IP, Destination IP, and Port Number Supports SP, WRR, and DRR Scheduling Strategies Supports Traffic Speed Limiting (CAR) Queue Prioritization Support
LLDP	Supports LLDP Link Discovery Protocol
Log	User Login, Operations, Status, and Event Logging
User Settings	User Add/Delete Support
Attack Prevention	Defense Against DOS Attacks Supports CPU Protection, limiting the message rate sent to the CPU ARP Binding Support (IP, MAC, PORT Binding)
System Management	User Add/Delete User Login Operations, Status Monitoring, and Event Logging Device Reset, Configuration Save/Backup, Upgrade Management, Time Settings, etc.

Yönetim Fonksiyonu	
CLI	Supports Serial Command Line Management
TELNET	Supports Serial Command Line Management
SSH	Supports SSHv1/2 Remote Management
SNMP	v1/2/3 Support
	Supports events: ColdStart, WarmStart, LinkDown, LinkUp
WEB	Two-Layer and Three-Layer View Support, etc.
POE	PoE Management
Diğer Parametreler	
PoE Features	PoE Standard: Supports both IEEE802.3af and IEEE802.3at standards.
	Single PoE Port Power Output: Maximum 15.4 watts (IEEE 802.3af) Maximum 30 watts (IEEE 802.3at) Total PoE Power Output: 240 watts
	Automatic Detection of AF/AT StandardsPoE Port Output Voltage: DC48V
F/O Features	F/O Support:1000 Base LX, SX, ZX100 Base-X
Network Media	10BASE-T: Cat3, 4, 5 UTP (≤100 meters) 100BASE-TX: Cat5 or higher UTP (≤100 meters) 1000BASE-TX: Cat6 or higher UTP (≤100 meters)
Fiber Media	Multi-Mode (1310nm): 2Km Single-Mode:1310nm: 20Km1550nm: 60/80/100/120Km
Performance Specifications	Bandwidth: 24Gbps Packet Buffer Memory: 4M Packet Forwarding Rate: 1,488,000 pps/port Address Table: 8K MTBF (Mean Time Between Failures): 100,000 hours
Forwarding Mode	Store-And-Forward
LED Indicators	Fiber Operation Indicator: G9, G10 Power Supply Indicator: PWR System Indicator: SYS PoE ACT Indicator: LED-Yellow1000M LINK Indicator: LED-Green
Port Lightning Protection	General Mode: 6KV Differential Mode: 4KV ESD Protection: 15KV
Power Supply	Input Voltage: DC48V (48~55V) Input Type: 4-pin terminal block (V1+, V1-, V2+, V2-)
Operating Environment	Operating Temperature: -40~80°C Relative Humidity: 5%~95% (non-condensing)
Industry Standard	EMI:FCC Part 15CISPR (EN55032) Class A EMS:EN61000-4-2 (ESD): Electrostatic Discharge EN61000-4-4 (EFT): Electrical Fast Transients EN61000-4-5 (Surge): Surge Protection Mechanical Durability:Shock: IEC 60068-2-27 Free Fall: IEC 60068-2-32 Vibration: IEC 60068-2-6
Mechanical Structure	Casing: IP40 protection grade, metal case Mounting: DIN-Rail or wall-mounted Product Weight: 0.5KG Package Weight: 0.8KG (excluding power adapter) Product Dimensions (LWH): 166mm * 120mm * 60mm Packaging Dimensions (LWH): 250mm * 210mm * 80mm
Certification	CE Mark, Commercial FCC Part 15 Class B VCCI Class BEN 55022 (CISPR 22), Class B

Top View



Front Panel



Side Panel