



Connect • Innovate • Inspire

**Always On.
Always Connected.**

AXISM-8G+2SFP-P

8-Port 10/100/1000 Mbps Gigabit Managed Industrial-Grade PoE Switch with 2 SFP Uplink Ports

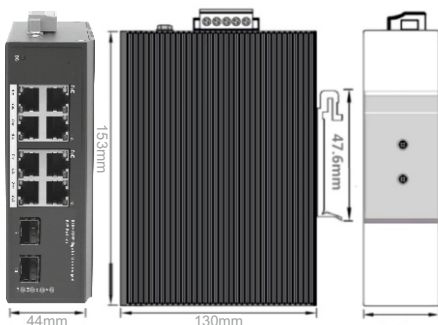
AXISM-8G+2SFP-P is a Gigabit managed industrial PoE switch that provides 8 Gigabit RJ45 ports and 2 Gigabit SFP Ports. The switch adopts fanless heat dissipation design. The equipment supports EMC industry level 4 protection performance; corrugated high-strength aluminum profile shell, IP40 grade, low power consumption design, earthquake-resistant rail installation, -40°C to 75°C It can work in harsh environments.

AXISM-8G+2SFP-P can also support rich network management functions: ERPS, RSTP, VLAN, QoS, SNMPv1/v2c/v3, IEEE802.1X, SSH/SSL, port mirroring, port aggregation, etc. Rich redundancy, switching and safety management features make it a reliable solution for intelligent transportation, video surveillance and other harsh industrial environments.

Features and Performance

- Input voltage: DC: 48-56V.
- Working temperature: -40°C ~ 75°C.
- Shell: IP40 protection level, fanless design.
- Static electricity: 8KV-15KV.
- MTBF: 100,000 hours.
- 8* 10/100/1000M adaptive RJ45 ports.
- 2* 1000M SFP Ports.
- Support IEEE 802.3x full-duplex flow control and Backpressure half-duplex flow.
- Each RJ45 port supports MDI/MDIX auto flip and wire-speed forwarding
- IEEE 802.3 af /at for PoE / PoE + output or better

Mechanical Drawing



Applications

CCTV Surveillance Systems at Airports, Harbours, Oil & Gas Plants, ITS, Factory Automation and many more.



www.axivo.co.in



Always On. Always Connected.



Technical Specification

Model Name	AXISM-8G+2SFP-P
Product Description	8 x Port 10/100/1000 Mbps Gigabit Managed Industrial Grade PoE Switch with 2 SFP Uplink Ports
Port Description	8 x RJ45 Ports 1000 base-T ; 2 x SFP Ports 1000 base-X
RJ45 Port Characteristics	Interface Type: RJ45
	Rate: 10/100/1000Mbps adaptive
	Duplex Mode: Full / Half Duplex
	Connection Mode: MDI/MDIX Automatic Flip
Optical Port Characteristics	Interface Type: SFP
	Speed: 1000Mbps
	Wavelength: Single-Mode Fiber: 1310nm/1550nm; Multimode Fiber: 850nm
	Core Standard: Single Mode 8.3μm, 8.7μm, 9μm, 10μm; Multimode 50μm, 62.5μm, 100μm
Protocol Standard	IEEE802.3i 10 BASE-T,
	IEEE802.3u 100 BASE-TX,
	IEEE802.3ab 1000 BASE-T,
	IEEE802.3z 1000 BASE-LX,
	IEEE802.3af Power over Ethernet,
	IEEE802.3at Power over Ethernet,
	IEEE802.3x Flow Control,
	IEEE802.3az EEE,
Exchange Performance	Backplane Bandwidth: 20Gbps
	Packet Forwarding Rate: 14.88Mbps
	MAC Address: 8K
	Packet Buffer: 2MB
Power Supply	Forwarding Mode: Store and Forward
	Input Power: DC 48 ~ 56V (6PIN Phoenix Terminal), 1*DC Interface
	Power Consumption: Full Load <6W (Not Including PoE)
	Dual Power Supply: Support
	Redundant Protection: Support
Mechanical Structure	Reverse Connection Protection: Support
	Shell Material: Metal
	Protection Level: IP40
	Size: 153*130*44mm (Excluding connector protruding part and DIN rail assembly size)
	Weight: 0.85Kg
Surroundings	Installation Method: DIN Rail Installation
	Working Temperature: -40°C ~ 75°C
	Storage Temperature: -40°C ~ 85°C
	Relative Humidity: 5% ~ 95% RH (Non-Condensing)
Industry Standard	EMI: CE/FCC
	EMS: IEC61000-4-2 (ESD-Static)
	IEC61000-4-3 (RS-Radiation Anti-Interference)
	IEC61000-4-4 (EFT-Fast Burst)
	IEC61000-4-5 (Surge-Lightning Protection)
	IEC61000-4-6 (CS-Conducted Anti-Interference)
	Machinery: IEC60068-2-6 (Vibration)
	IEC60068-2-27 (Shock)
	IEC60068-2-32 (Free Fall)
Warranty	Warranty Period: 5 Years

*Warranty will be subject to T&C specified in the Axivo product warranty page on the website.

Always On. Always Connected.



Software Specification

Hardware Watchdog	Stand By
PoE Management	Support PoE total power settings
	Support single port PoE power settings
	Support port PoE power supply priority design
	Support custom PoE power supply time
Loop Protection	Support ERPS ring protection
	Support 50MS loop since healing
	Support BPDU protection, root protection and loopback protection
Link Aggregation	Support link aggregation (LACP)
	Support static polymerization, dynamic aggregation
	Support for maximum support for 8 aggregation groups
	Support for source port, source MAC, destination MAC, source IP, destination IP, source IP port, destination IP port
Spanning Tree Protocol (STP)	Support STP (IEEE 802.1D)
	Support RSTP (IEEE 802.1W)
	Support edge port
	Support spanning tree BPDU packet statistics
	Support root bridge protection, TC protection, BPDU protection, BPDU filtering
DHCP	Support DHCP server
	Support DHCP Snooping
	Support Option82
VLAN	Support 802.1q VLAN
	Maximum support 4094
	Support QinQ
	Support Mac VLAN
	Support GVRP protocol
	Support GMRP protocol
	Support 1: 1 and N: 1 VLAN mapping function
	Support three port modes: Access, Trunk, and Hybrid, Translation, QinQ
	Including the foundation in QinQ and flexible in QinQ
Security Feature	Based on user grading management and password protection
	Support for port numbers, IP addresses, MAC addresses limit users access
	Support HTTPS, SSH V1 / V2, SSL V1 / V2
	Support IP-Mac-Port-VLAN binding
	Support ARP protection, IP source protection, DOS protection
	Support DHCP Snooping, DHCP Attack Protection
	Support 802.1x certification,
	Support port security, port isolation
Access Control (ACL)	Support port alarm
	Supports L2 (Layer 2) ~ L4 (Layer 4) package filter function
	Support port mirror, port redirection, flow rate, QoS heavy mark
	Support Mac ACL
Service Quality (QoS)	Support IP ACL
	Support 8 port queues
	Support port priority, 802.1p priority, DSCP priority
	Support SP, WRR, WFQ priority scheduling algorithm

Always On. Always Connected.

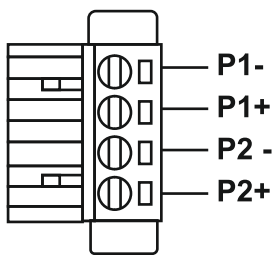
Software Specification

Multicast	Support fast leaving mechanism
	Support static multicast group, dynamic multicast group
	Support IGMP Soonping
	Support multicast filtering, packet statistics, unknown multicast discard
Management and Maintenance	Support Web network management (HTTP, HTTPS, SSL V3, TLS V1)
	Support CLI (Telnet, SSH V1 / V2, local serial port)
	Support SNMP V1 / V2 / V3, compatible public MIBS
	Support LLDP, RMON
	Support SNMP
	Support CPU monitoring, memory monitoring
	Support system log, hierarchical warning, support remote log server
	Support port alarm
	Support HTTP software upgrade, configuring backup import
	Support TFTP upgrade

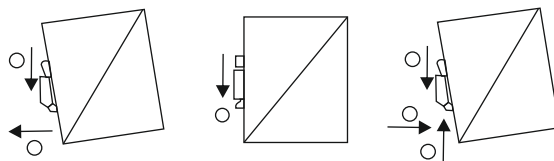
**Warranty will be subject to T&C specified in the Axivo product warranty page on the website.
Specifications are subject to change without notice.

Installation Method

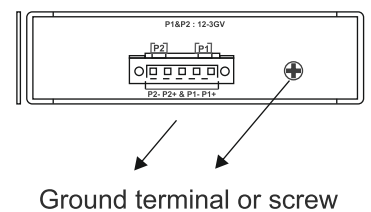
Power Terminal



Din-Rail



Earth Protection



- ◆ 4-pin 3.81mm-spacing plug-in terminal
- ◆ 48V-54V DC wide voltage input
- ◆ P1&P2 dual power input
- ◆ Reverse protection

Axivo Networks Private Limited

📍 B-503, Shree Vallabh CHS Ltd., Poisur Gymkhana Road,
Kandivali West, Mumbai 400 067. Maharashtra. India.

📞 +91-859 148 2121 ✉ reachus@axivo.co.in 🌐 www.axivo.co.in