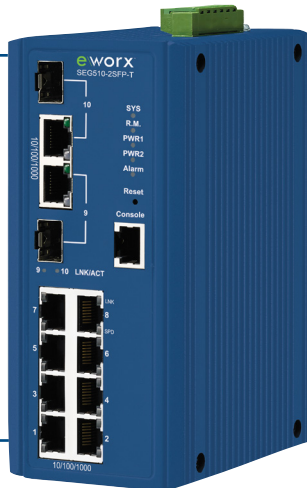


10 Port Managed Gigabit Ethernet Switch

SEG510-2SFP-T



eworx
SEG510-2SFP-T

PRODUCT FEATURES

- 8 10/100/1000 PoE+ (30W) Ethernet Ports with 2 GB Copper/SFP Combo Ports
- Redundancy: X-Ring Pro (recovery time < 20 ms), RSTP/STP
- Security: 802.1x (Port-Based, MD5/TLS/TTLS/PEAP Encryption), RADIUS
- Management: SNMP v1/v2c/v3, WEB, Telnet, Standard MIB, Private MIB
- Wide Temperature Range -40 to 75°C
- DIN Rail or Panel Mountable
- Dual 12 to 48VDC Power Inputs for Redundancy
- EMS Level 3 Protection for Extreme Outdoor Environments
- Power Failure indicated by a Relay and LED Indicator
- Energy Efficient Ethernet (EEE), IEEE 802.3az for low power applications

INTRODUCTION

The SEG510-2SFP-T is a managed Ethernet switch with industrial, ruggedized features designed to work in harsh environment applications. This switch offers all the basics you would expect in a managed switch such as VLAN, IGMP Snooping, Ring Technology, SNMP V1,V2c,V3, Web and Telnet support. In addition these switches support secure features such as SSH, SSL, TLS, TTLS, PEAP and Radius.

Embedded into each switch is industry leading cross management technology referred to as IXM. The IXM feature uses an auto synchronization function to make deployment of multiple switches fast and easy. This is done by configuring one switch in the system that will reach out and configure other compatible switches. This functionality works with other SE500 series switches as well as the SE300 series switches from Advantech B+B Smartworx.

ORDERING INFORMATION

MODEL NUMBER	DESCRIPTION
SEG510-2SFP-T	8G + 2GE Combo Port Managed Switch, Wide Temperature

ACCESSORIES

MDR-40-24 - DIN Rail Power Supply 24VDC 40 Watt
C5UMB3FBG - 3 ft. (1 M), Gray, Category 5e UTP Patch Cord
C5UMB7FBG - 7 ft. (2 M), Gray, Category 5e UTP Patch Cord
808-38200 - IE-SFP 1250 Mbps to 1.25 Gbps (OC-24), SM1310-LC, 20km
808-38201 - IE-SFP 1250 Mbps to 1.25 Gbps (OC-24), MM850-LC, 2250/550m
808-38203 - IE-SFP 1250 Mbps to 1.25 Gbps (OC-24), SM1310/PLUS-LC, 30km



SPECIFICATIONS

INTERFACE	
I/O Port	8 x 10/100/1000Base-T/TX RJ-45 2 x RJ-45/SFP (mini-GBIC) Gigabit Combo port
Console Port	RS-232 (RJ45)
Transmission Distance	6-pin Screw Terminal Block (including relay)
PHYSICAL	
Enclosure	Metal Shell
Protection Class	IP 30
Installation	DIN Rail
Dimensions (WxHxD)	74 x 152 x 105 mm (2.91 x 5.98 x 4.13 inches)
LED DISPLAY	
System LED	PWR1, PWR2, SYS, Alarm and R.M.
Port LED	Link / Speed / Activity
ENVIRONMENT	
Operating Temperature	-40 ~ 75°C (-40 ~ 167°F)
Storage Temperature	-40 ~ 85°C (-40 ~ 185°F)
Ambient Relative Humidity	10 ~ 95% (non-condensing)
Storage Humidity	10 ~ 95% (non-condensing)
POWER	
Power Consumption	12.1W @ 48VDC (System)
Power Input	12~48 VDC, redundant dual power input
Fault Output	1 relay output

CERTIFICATIONS	
EMI	CE, FCC Class A
Safety	UL508
EMC	EN 61000-4-2, EN 61000-4-3 EN 61000-4-4, EN 61000-4-5 EN 61000-4-6, EN 61000-4-8 EN 50121-4 Compliant
Shock	IEC 60068-2-27
Freefall	IEC 60068-2-32
Vibration	IEC 60068-2-6
Traffic Control	Designed to meet NEMA TS2 environmental standards
L2 FEATURES	
L2 MAC Address	8K
Jumbo Frame	9216 Bytes
VLAN Group	256 (VLAN ID 1~4094)
VLAN Arrange	Port based VLAN, Q-in-Q (VLAN Stacking), GVRP
Port Mirroring	Per port, Multi-source port
IP Multicast	IGMP Snooping v1/v2/v3, MLD Snooping, IGMP Immediate leave
Storm Control	Broadcast, Multicast, Unknown unicast
Redundancy	IEEE 802.1D-STP, IEEE 802.1s-MSTP, IEEE 802.1w-RSTP, X-Ring Pro, with ultra high-speed recovery time less than 20ms

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SPECIFICATIONS

QoS	
Priority Queue Scheduling	WRR (Weighted Round Robin), SP (Strict Scheduling Priority) Hybrid Priority
Class of Service	IEEE 802.1p Based CoS, IP TOS, DSCP based CoS
Rate Limiting	Ingress Rate limit, Egress Rate limit
Link Aggregation	IEEE 802.3ad Dynamic Port Trunking, Static Port Trunking
SECURITY	
Port Security	Static, Dynamic
Authentication	802.1x (Port-Based, MD5/TLS/TTLS/PEAP Encryption)

MANAGEMENT	
DHCP	Client, Server, Option66/67/82
Access	SNMP v1/v2c/v3, WEB, Telnet, RMON, Standard MIB, Private MIB
Security access	SSH2.0, SSL
Software upgrade	TFTP, HTTP, Dual Image
NTP	SNTP client

SEG510-2SFP-T MECHANICAL DIAGRAM DIN RAIL MOUNT

Units = mm [inches]

