

10 Port PoE+ Ethernet Switch with SNMP and Modbus/TCP Capability SEGP310-T

B+B SMARTWORX

Powered by

ADVANTECH



eWorX™
SEGP310-T

PRODUCT FEATURES

- 8 10/100/1000 PoE+ Ethernet Ports and 2 GB Ports
- Wide Temperature Range -40 to 75°C
- DIN Rail or Panel Mountable
- Dual 12 to 24VDC Power Inputs for Redundancy
- Energy Efficient Ethernet (EEE), IEEE 802.3az for Low Power Applications
- EMS Level 3 Protection for Extreme Outdoor Environments
- Port-based QoS feature for Deterministic Data Transmission
- Loop Detection and Event Alarm
- Power Failure Indicated by a Relay and LED Indicator
- Communicates with SCADA Software via Modbus/TCP
- Communicates with NMS (Networking Management System) via SNMP

INTRODUCTION

Our industrial grade SE300 series switches can be used as plug and play, unmanaged switches right out of the box. Installing the eWorX Utility gives them basic management capabilities, as well. They bridge the gap between unmanaged switches and significantly more expensive, fully managed solutions.

When enabled with the eWorX Utility, these switches use Modbus/TCP to communicate with SCADA software and SNMP to communicate with NMS (Networking Management System) at the same time. This gives full read control to both control engineers and IT. They are equipped with port-based QoS for deterministic data transmission. The QoS port has priority over other ports. The eWorX Utility enables IP address assignment, allowing for a static IP address or an address that is discoverable via DHCP.

ORDERING INFORMATION

MODEL NUMBER	DESCRIPTION
SEGP310-T	8 x 10/100/1000BaseT(X) with PoE + 2GE, Wide Temperature

ACCESSORIES

SDR-240-24 - DIN-Rail Power Supply, 10A, 240W, 48V, 10A
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

COMMUNICATIONS	
Standard	IEEE 802.3af/at, 802.3, 802.3u, 802.3ab, 802.3az, 802.3x, 802.1p
LAN	10/100/1000Base-T(X)
Transmission Distance	Up to 100 m
Transmission Speed	Up to 1000 Mbps
INTERFACE	
Connectors	8 x 10/100/1000 BaseT(X) with PoE + 2 x 10/100/1000 BaseT(X) 6-pin removable screw terminal (power & relay)
LED INDICATORS	
System LED	P1, P2, P-Fail, Loop, PoE
Port LED Status	10/100/1000Base T(X): LNK /ACT, Speed, PoE port
PHYSICAL	
Enclosure	Metal / Aluminum Shell with solid mounting kits
Protection Class	IP 30
Installation	DIN Rail and Panel Mount
Dimensions (WxHxD)	74 x 152 x 105 mm (2.91 x 5.98 x 4.14 inch)
ENVIRONMENT	
Operating Temperature	-40 to 75°C (-40 to 167°F)
Storage Temperature	-40 ~ 85°C (-40 ~ 185°F)
Relative Humidity	10 ~ 95% (non-condensing)

SWITCH PROPERTIES	
MAC Address	8K entries
Packet Buffer	4.1 Mbit
Switching Capacity	20 Gbps
POWER	
Power Consumption	65 Watts
Power Input	12V~24V (9V ~ 36V), redundant dual inputs
POE	
PoE Standard	IEEE802.3af/at (Alternative A)
PoE Pins	With data pairs, 1, 2 and 3, 6
PoE Power Budget	Switch - 60W maximum Ports - 30W, maximum
CERTIFICATIONS	
Safety	IEC/EN 60950, UL61010-1+UL61010-2-201, e-Mark
EMC	CE, FCC, e-Mark
EMI	EN 55011/ 55022 Class A, EN 61000-6-4, FCC Part 15 Subpart B Class A
EMS	EN 55024/ EN 61000-6-2, EN 61000-4-2 (ESD) Level 3 EN 61000-4-3 (RS) Level 3, EN 61000-4-4 (EFT) Level 3 EN 61000-4-5 (Surge) Level 3, EN 61000-4-6 (CS) Level 3 EN 61000-4-8 (Magnetic Field) Level 3
Shock	IEC 60068-2-27
Freefall	IEC 60068-2-32
Vibration	IEC 60068-2-6

Units = mm [inches]

