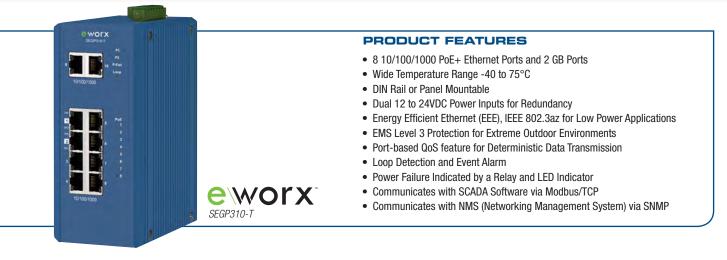
10 Port PoE+ Ethernet Switch with SNMP and Modbus/TCP Capability

SEGP310-T

B+B SMARTWORX

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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 (0C-24), SM1310-LC, 20km 808-38201 - IE-SFP 1250 Mbps to 1.25 Gbps (0C-24), MM850-LC, 2250/550m 808-38203 - IE-SFP 1250 Mbps to 1.25 Gbps (0C-24), SM1310/PLUS-LC, 30km

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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 |
| EMI | |
| | FCC Part 15 Subpart B Class A 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 |
| EMS | FCC Part 15 Subpart B Class A 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 |

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SEGP310-T MECHANICAL DIAGRAM DIN RAIL MOUNT

Units = mm [inches]

