

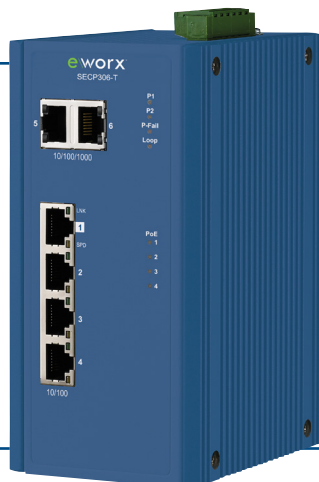
6 Port PoE+ Ethernet Switch with SNMP and Modbus/TCP Capability

SECP306-T

B+B SMARTWORX

Powered by

ADVANTECH



SECP306-T

PRODUCT FEATURES

- 4 10/100 PoE+ Ethernet Port and 2GB 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 |
|--------------|---|
| SECP306-T | 4 x 10/100BaseT(X) with PoE + 2GE, Wide Temperature |

ACCESSORIES

- MDR-100-24 - 100W, 24VDC Industrial Slimline Power Supply
- C5UMB3FBG - 3 ft. (1 M), Gray, Category 5e UTP Patch Cord
- C5UMB7FBG - 7 ft. (2 M), Gray, Category 5e UTP Patch Cord
- 808-38102 - IE-SFP 100 to 155 Mbps (OC-3), MM850-LC, 2km
- 808-38104 - IE-SFP 100 to 155 Mbps (OC-3), SM1310/PLUS-LC, 40km
- 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 | 10/100BaseT(X), 10/100/1000BaseT(X) |
| Transmission Distance | Up to 100 m |
| Transmission Speed | Up to 1000 Mbps |
| INTERFACE | |
| Connectors | 4x10/100BaseT(X) with PoE + 2x10/100/1000 Base T(X) 6-pin removable screw terminal (power & relay) |
| LED INDICATORS | |
| System LED | P1, P2, P-Fail, Loop, PoE |
| Port LED | 10/100 BaseT(X) or 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 | 2K entries |
| Packet Buffer | 1 Mbit |
| Switching Capacity | 4.8 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 |

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SECP306-T MECHANICAL DIAGRAM DIN RAIL MOUNT

Units = mm [inches]

