

19"/2[®] ESW1120 Series



A breeze to use in any weather

The 19"/2 ESW1100 series gives you a gigabit Ethernet switch in a compact form factor. There's no need to configure the Switch before use – simply plug in your cables and you'll have data streaming instantly. With a robust design, wide temperature range and a protection rating of IP65 against rain and dust, you can count on long-term performance in any environment.

Guaranteed performance

Our products always come with a lifetime support to ensure your equipment maintains peak performance for many missions to come. We also serve units and keep spare parts in stock for 5 years after end-of-life.

Mounting

All 19"/2 units can be mounted together in several different ways:

- One 19"/2 unit can be mounted in a 19" rack
- Two 19"/2 units can be mounted together in a 19" rack
- Two or more devices can also be stacked on top of each other

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Technical Specification

| | ESW1121 | ESW1122 | ESW1123 | ESW1124 |
|------------------------------|---|---------------------------------------|--|------------------------|
| Description | 8-port Switch | | 10-port Switch | |
| Speed | 10/100/1000 Mbps (Auto Negotiate) | | | |
| Duplex | Full duplex IEEE 802.3x flow control. Half duplex back pressure flow control (only copper) | | | |
| Managed | Not configurable | | | |
| Other features | MDI/MDI-X auto crossover (copper only). Wire speed reception and transmission | | | |
| Interfaces (front) | 8 x 1000Base-T 1 x DC In 10-32 V | | 8x 1000Base-T 2x 1000Base-SX 1 x DC In 10-32 V | |
| PoE power | - | 110 W (18-32V DC) 41 W (12-18V DC) | - | TBD W |
| Power Consumption | < 10 W max | < 145 W max (with PoE) | < 15 W max | < 150 W max (with PoE) |
| Temperature operating | -40°C to 65°C (option for +71°C) | -40°C to TBD°C | -40°C to 65°C | -40°C to TBD°C |
| MIL-STD-1275D | 5.3.2.1- 5.3.2.4 | | | |
| Polarity protection | Protected against polarization failure on the power input in the voltage range of normal operation. | | | |
| MTBF | 339 196 hours | 205 583 hours | 143 923 hours | TBD |
| Dimensions (WxDxH) | 220 x 228 x 44 mm | | | |
| Weight | 2 kg | 3 kg | 2 kg | 3 kg |
| IP Rating | IP65 | | | |
| Cooling | Passively cooled | | | |

Environmental Specifications (design to meet)

| MIL-STD-810G | Operating | Storage |
|---|---|---|
| Altitude Method 500.5, (procedure II,III) | 4572 m (15000 ft) | Rapid decompression 12192m (40000 ft) |
| Humidity Method 507.5 (procedure II) | Aggravated, 10x24 h cycles 95%RH | - |
| Shock Method 516.6, (procedure I, IV) | 40 G, 11 ms (Terminal-peak saw tooth shock pulse) | 122 cm (26 drops)* |
| Salt fog Method 509.5, (Procedure I) | 4 x 24 hrs | - |
| Temperature Method 501.5/ Method 502.5, (procedure I, II) | -40°C to 65°C** (with out PoE) -40°C to TBD°C (full PoE) | -40 °C to 71°C |
| Temperature shock Method 503.5 (procedure I) | -40 °C to 55°C | - |
| Vibration Method 514.6 (procedure I) | | |
| - Category 2 | - | √ |
| - 14 Helicopter | √ | - |
| - 20 Tracked vehicles | √ | - |
| - 20 Wheeled vehicles | √ | - |

* Only with optional Peli Case

** Option for +71°C

EMC Specifications (design to meet)

| MIL-STD-461F | Limitation | Threshold |
|--------------------------------------|---------------------------------|--------------------|
| EMI radiated Method RE102 | 10 kHz to 18 GHz | Navy Mobile & Army |
| EMI radiated Method RS103 | 2 MHz to 1 GHz | Army |
| EMI conducted Method CE102 | 10 kHz to 10 Mhz | Basic Curve |
| EMI conducted Method CS101 | 30 Hz to 150 kHz | Curve #1 |
| EMI conducted Method CS114 | 10 kHz to 200 MHz | Army |
| EMI conducted Method CS115 | Tested according to standard | Army |
| EMI conducted Method CS116 | 10 kHz to 100 MHz | Army |



ISO 9001: Certificate No. FM68727
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