

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			
VLAN	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.			
Case	Aluminium			
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

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
ISO 14001: Certificate No. EMS554313



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*** Option for +71°C*

