

# 19"/2<sup>®</sup> 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
<b>Description</b>	8-port Switch		10-port Switch	
<b>Speed</b>	10/100/1000 Mbps (Auto Negotiate)			
<b>Duplex</b>	Full duplex IEEE 802.3x flow control. Half duplex back pressure flow control (only copper)			
<b>Managed</b>	Not configurable			
<b>VLAN</b>	Not configurable			
<b>Other features</b>	MDI/MDI-X auto crossover (copper only). Wire speed reception and transmission			
<b>Interfaces (front)</b>	8 x 1000Base-T 1 x DC In 10-32 V		8x 1000Base-T 2x 1000Base-SX 1 x DC In 10-32 V	
<b>PoE power</b>	-	TBD W	-	TBD W
<b>Power Consumption</b>	< 10 W max	< TBD W max	< 15 W max	< TBD W max
<b>Temperature operating</b>	-40°C to 71°C	-40°C to TBD°C	-40°C to TBD°C	-40°C to TBD°C
<b>MIL-STD-1275D</b>	5.3.2.1- 5.3.2.4			
<b>Polarity protection</b>	Protected against polarization failure on the power input in the voltage range of normal operation.			
<b>Case</b>	Aluminium			
<b>Dimensions (WxDxH)</b>	220 x 182 x TBD mm			
<b>Weight</b>	2 kg	3 kg	2 kg	3 kg
<b>IP Rating</b>	IP65			
<b>Cooling</b>	Passively cooled			

## Environmental Specifications (design to meet)

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

\* Only with optional Peli Case

\*\* Temperature range is for ESW1121

## EMC Specifications (design to meet)

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



ISO 9001: Certificate No. FM68727  
ISO 14001: Certificate No. EM5554313



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