19"/2® 16-p Switch
ESW400 series

Complete traffic control in half the space

Seamlessly connect up to 16 devices with the rugged 19"/2 16-p Switch ESW400 series. This Layer 2+ switch gives you high speed access with 10/100/1000 LAN connections. It does this while occupying only half of one 19" rack so you can save space or add functionality.

Above and beyond
Apart from the multitude of ports and all the standard functions you expect, the Switch gives you enhanced control. It supports features like IGMP & SNMP, and with many ways to mount the unit, it's easy to customize the ideal setup.

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 stock spare parts 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

Description	Layer 2 switch
Speed	10/100/1000 Mbps (Static or Auto Negotiate)
Duplex	Half or full duplex (only full duplex on 1000 Mbps)
Managed	Yes, manages through CLI or web interface.
VLAN	Up to 16 VLANs can be stored I EEPROM.
Link aggregation	Static or LACP
QoS	Support DiffServ, IP Precedence, 802.1p or port-based priority
SNMP	SNMP v1 and v2c. Supports GET, GET NEXT, SET, GET BULK operations as well as SNMP v1/v2 traps
Other features	IGMP snooping and RSTP Mirroring, filtering and debug support.
Interfaces (front)	14 x LAN 10/100/1000 Mbps (RJ45) 1 x DC In 10-32 V
Interfaces (back)	2 x LAN 10/100/1000 Mbps (RJ45) 1 x Service Port
Power Consumption	15 W (maximum)
Transient power protection	Surge & burst on DC in
Case	Aluminium
Dimensions	220 x 182 x 44 mm (W x D x H)
Weight	2 kg
Certification	CE, MIL-STD-810 and MIL-STD-461 Designed to meet IP54
Other	No fans

19"/2 16-p Switch is availible in following models

Model name	Description
16-p Switch ESW403	10/100/1000 Mbps, managed

MIL-STD-810F	Operating	Storage
Altitude Method 500.4, *(procedure II,III)*	4572 m (15000 ft)	Rapid decompression 12180 m (40000 ft)
Humidity Method 507.4	Five 48 h test cycles	-
Shock Method 516.5, *(procedure I, IV)*	40 G, 11 ms (Terminal-peak saw tooth shock pulse)	122 cm (26 drops)*
Salt fog Method 509.4, *(Procedure I)*	-	Salt concentration of 5 % +-1 % (48 h wet +48 h dry/cycle)
Temperature Method 501.4 & Method 502.4, *(procedure I, II)*	-40 °C to 55 °C (-40 °F to 131 °F)	-40 °C to 70 °C (-40 °F to 158 °F)
Temperature shock Method 503.4 (procedure I)	-40 °C to +55 °C (-40 °F to +131 °F)	-
Vibration Method 514.5		
- *Category 2*	-	√
- *Category 14*	√	-
- *Category 20 a & b*	√	-

* Only with optional Peli Case

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	30Hz to 150 kHz	Curve #2
EMI conducted Method CS114	10 kHz to 200 MHz	Curve #4
EMI conducted Method CS115	Tested according to standard	Army
EMI conducted Method CS116	10 kHz to 100 MHz	Army

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