

19"/2® 16-p Switch 8x2 ESW421



The 19"/2® 16-p Switch 8x2 ESW421 it's built from the inside and out for extreme environments. The 19"/2® form factor can save up to 75 % space compared to a standard 19" switch. It has aluminum casing and is made for operations down to -40 °C. The Ethernet ports also conforms to GVA Def Stan 23-09.

Built to take a beating

The 16-p Switch 8x2 ESW421 it's built from the ground up to withstand the harshest conditions over the long haul. It has an aluminium casing, MIL connectors and internal climate processor for operations down to -40 °C. On top of this toughness, we offer lifetime support to ensure your 16-p Switch 8x2 ESW421 it's maintains its performance for many years to come.

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

19"/2®16-p Switch 8x2 ESW421

Technical Specification

Description	Layer 2 switch
Speed	10/100 or 10/100/1000 Mbps (Static or Auto Negotiate)
Duplex	Half or full duplex (only full duplex on 1000Mbps)
Managed	Yes, manages through CLI or web interface.
VLAN	Up to 4096 VLANs can be stored in 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)	4 x LAN 10/100/1000 Mbps (D38999 Dual) 1 x DC In 10-32 V (Isolated DC/DC)
Interfaces (back)	4 x LAN 10/100/1000 Mbps (D38999 Dual) 1 x Service port
Power Consumption	20 W (maximum without heater) 50 W (maximum with heater)
Transient power protection	Designed to meet MIL-STD-1275B
Case	Aluminium
Dimensions	220 x 215 x 44 mm (W x D x H)
Weight	2 kg
Certifications	Designed to meet IP54, MIL-STD-810 and MIL-STD-461
Other	No fans

Designed to meet:

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

Designed 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	30Hz 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. EM5554313



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