



## Model ESM900 Managed 9 Port 10/100TX Micro Switch



The ESM900 is a layer 2 Fast Ethernet Micro Switch that connects up to nine work stations with 10BaseT or 100BaseTX network and operates at full wire speed without collisions or discards. All nine ports are able to auto negotiate to 10Mbps or 100Mbps full or half duplex. Extremely small in size and lightweight, it's very attractive for small business and home office applications (SOHO).

Fast Ethernet was designed in order to ensure cost effective, simple migration from 10 Mbps to 100 Mbps maintaining the Ethernet transmission protocol, Carrier Sense Multiple Access Collision Detection (CSMA/CD). Dual speed products offer the ability to leverage your existing network investment of 10 Mbps, the hardware, the software and personal training and blending it with 100 Mbps products on as needed basis as budgets will allow.

Dual speed hubs 10/100 are generally cheaper than 10/100 switches but share the available bandwidth amongst all of the ports. Switches can operate at full bandwidth on each port making them much more efficient.

- Console port management interface
- Supports Port Based VLAN
- Quality of Service for Voice over IP applications
- Auto Negotiation for 10/100, Full/half Duplex & crossover
- 2.0 Gbps high performance memory bandwidth
- Wire speed reception & Transmission
- 32Kx32 of SRAM for Frame Buffering
- Flow Control
- 1 K Absolute MAC Addresses
- Broadcast Storm Protection
- Made in USA

## ESM900 TECHNICAL SPECIFICATIONS

<b>Network Standards</b>	Ethernet IEEE 802.3	
<b>Speed</b>	10 Mbps. 100 Mbps	
<b>Power Requirements for ESM900</b>	<i>Input Voltage;</i> <i>Output Voltage</i>	110- 240 Vac 12 Vdc @ 1.0 amp
<b>LEDs</b>	Total 37	1 for power, 4 for each 10/100 port Collision, Link/Activity. Full/half duplex & 10/100.
<b>Switches</b>	Total 1	Reset
<b>Connectors</b>	Total 11	9 RJ45 for 10/100TX Ports. 1 DC Power jack. 1 DB15
<b>MAC addresses</b>	Look up engine supports 1 K	Automatic learning, address aging & address migration
<b>Flow control</b>	Half Duplex	Back pressure
<b>Bandwidth</b>	1.4 Gbps memory	Wire speed reception & transmission
<b>Broadcast storm protection</b>		
<b>Weight</b>	0.5 lbs. (0.23 kg)	excluding power supply
<b>Dimensions ESM500</b>	5.8" * x 3.7" x 0.8" * 6.7" inc. flange	(14.7* cm x 9.4 cm x 1.7 cm) *17 cm inc. flange
<b>Environmental</b>	<i>Operating Temperature</i> <i>Storage Temperature</i> <i>Relative Humidity</i>	32 to 122F (0 to 50 C) -4 to 140F (-20 to 60 C) 5% to 90% (non-condensing)
<b>Cabling</b>	UTP Category 5, <i>maximum cable distance</i> 100 meters	
<b>EMI &amp; Safety</b>	EMI FCC Class A, <b>CE</b>	
<b>Warranty</b>	5 years	

## ESM900 ORDERING INFORMATION

<b>ESM900</b>	9 Port Switch with US/Canada 110 -240 VAC external power supply.
<b>ESM900-UK</b>	9 Port Switch with UK 230 VAC external power supply.
<b>ESM900-SA</b>	9 Port Switch with South African 230 VAC external power Supply.
<b>ESM-EU</b>	9 Port Switch with EU 230 VAC external power supply



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