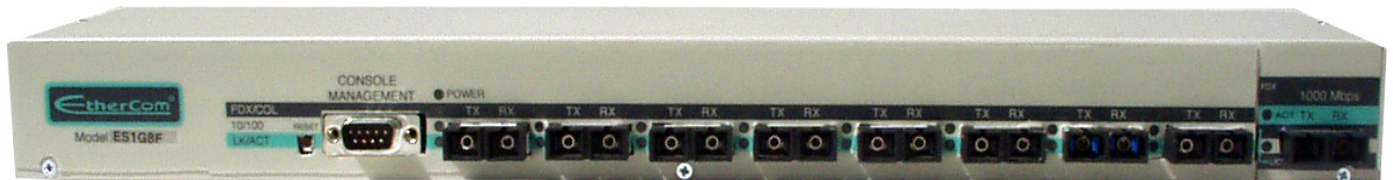




**Model ERSG9 Series
9 Port Rack-mount Switch
All COPPER or All FIBER or ANY
Combination**



This layer 2 switch has been designed for great flexibility at a very reasonable price. Copper 10/100TX & Fiber FX can be mixed on ports 1 through 8. Port 9 can be 10/100/1000 copper or Gigabit SX or LX fiber. The FX ports can be SC single mode (up to 50 km) or multi-mode (2 km) ST or SC. Triple speed products like this allow you to leverage existing technology without investment in software and personal training.

Management via console port for VLANs, QOS, Port Trunking and a number of functions.

GigE & Fast Ethernet LAN switch was designed in order to ensure cost effective, simple migration from 10 Mbps to 100 Mbps to 1000 mbps maintaining the Ethernet transmission protocol, Carrier Sense Multiple Access Collision Detection (CSMA/CD). ***Triple speed products offer the ability to leverage your existing network investment.***

- Can be ordered with all Copper or all Fiber or any combination
- In copper; ports 1 through 8 are 10/100 port number 9 is 10/100/1000
- Console port management interface
- Supports Port Based VLAN
- QOS (Quality of Service) Supports 2 queues
- For Voice over IP applications
- Fiber Ports can be Single (SC) or Multi Mode ST or SC
- Gigabit Fiber can be SX or LX
- Auto Negotiation for 10/100TX, Full/half Duplex & crossover
- Wire speed reception & transmission
- Will recognize up to 2048 MAC addresses
- Supports packets to 1522 bytes
- Broadcast Storm Protection
- Made in the USA

ERSG9 Series TECHNICAL SPECIFICATIONS

Standards Compliance	FCC Class A & CE							
Bandwidth	2.8 Gbps backplane, Wire speed reception & transmission							
Broadcast storm protection								
Cabling	<p>10/100TX UTP Category 5, <i>maximum cable distance</i> 100 meters 10/100/1000TX UTP Cat. 5e or Cat. 6 100 mbps Fiber: Single mode or Multi Mode Multi Mode: 50/125 or 62.5/125, 1310 nm (50 to 100 microns) up to 2 km. Single Mode: 9/125, 1310 nm (8.3 to 10 microns) up to 50 km. 1000 mbps: SX, 850 nm 62.5/125 to 220 m, 50/125 to 500 m. LX, 1310 nm 9/125 to 10 km.</p>							
Connectors: Total 11	<p>DB9 for console management IEC for main power cord Ports 1 through 8: Customer choice of 10/100 RJ45, ST or SC multimode fiber or SC single mode fiber. Port 9: 10/100/100 RJ45 SX or LX Gigabit Fiber</p>							
Dimensions	<p>Height 1.75" (45 mm) Depth 4.26" (109 mm) not inc. connectors Width 17.0" (430 mm)</p>							
Environmental	<table border="1"> <tr> <td>Operating Temperature</td> <td>32 to 122 F (0 to 50C)</td> </tr> <tr> <td>Storage Temperature</td> <td>-4 to 140F (-20 to 60 C)</td> </tr> <tr> <td>Relative Humidity</td> <td>5% to 90% (non-condensing)</td> </tr> </table>	Operating Temperature	32 to 122 F (0 to 50C)	Storage Temperature	-4 to 140F (-20 to 60 C)	Relative Humidity	5% to 90% (non-condensing)	
Operating Temperature	32 to 122 F (0 to 50C)							
Storage Temperature	-4 to 140F (-20 to 60 C)							
Relative Humidity	5% to 90% (non-condensing)							
Flow control	Half Duplex . Back pressure							
LED Indicators, Total 29	1 for power, 3 each for ports 1 through 8 & 4 for port 9.							
MAC addresses	<table border="1"> <tr> <td>Look up engine supports 2048 different addresses</td> <td>Automatic learning, address aging & address migration</td> </tr> </table>	Look up engine supports 2048 different addresses	Automatic learning, address aging & address migration					
Look up engine supports 2048 different addresses	Automatic learning, address aging & address migration							
Network Speed	<p>Copper 10/100/1000 Half/Full Duplex Auto Negotiating Fiber 100 TX & 1000 Gigabit on port 9</p>							
Network Standards	<p>IEEE802.3 Ethernet IEEE802.3u Fast Ethernet IEEE802.3ac VLAN tagging IEEE802.1Q VLAN IEEE802.3ad Link Aggregation Control Protocol IEEE802.1D Spanning Tree Protocol & Traffic Priorities IEEE802.1p Priority tags IEEE802.1s Multiple Spanning Tree Protocol IEEE802.1w Rapid Spanning Tree Protocol IEEE802.1x Port Authentication IEEE802.3x Flow control pause</p>							

Performance

2 Gigabit switching capacity
64 byte packet forwarding rate: 35.7 Mbps
12K x 64 SRAM
Packet length to 1522 bytes
Forwarding & filtering at non-blocking full wire speed

Switch:

Reset

Voltage and Current ratings

Nominal input voltages:	110- 240VAC
Input voltage range:	50/60Hz
Input Frequency:	1.2A at 110VAC, 0.6A at 230VAC
Maximum input current:	70 watts maximum
Power Consumption:	

Weight

4 lbs.

Weight, (Shipping)

5 lbs.

Warranty

Limited 5 Year Hardware Warranty

Ordering Information

ERS8TX-GTX

9 Port Switch with all copper RJ45 ports

ERS8Fx-GFX

9 Port Switch with 1-8 FX ST or SC. Port 9 is SX or LX gigabit.

**Special order configuration:
Contact EtherCom for Configuration Part Number.
info@ethercom.com**

1	2	3	4	5	6	7	8	9
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Ports 1 through 8 can be any mix of:
R for 10/100 RJ45
T for ST FX multimode fiber
C for SC FX multimode fiber
S for SC FX single mode fiber
Port 9 can be
SX for multi-mode Gigabit fiber
LX for single-mode gigabit fiber
G for 10/100/1000 Gigabit copper