



## ***Make your Ethernet network worry-free*** ***Cost-Effective, Plug-n-Play Ethernet Media Redundancy Solution***

### **EDS-405 Ring Redundancy Ethernet Switch**

#### **Key Features**

- Plug-n-Play, Ring Redundancy solution (recovery time < 300 ms)
- Power failure and port break by relay output alarm
- 10/100M, Full/Half-Duplex, MDI/MDI-X auto-sensing
- Redundant dual DC power inputs
- DIN-Rail or panel mounting ability



"MOXA Turbo Ring" is the state of the art feature that is exclusively developed by Moxa for industrial Ethernet switch. It is used to establish an Ethernet redundant ring topology. If one segment is broken, Turbo Ring will automatically transmit over a redundant path segment in less than 300 ms, making your industrial automation and control applications non-stop.

## Specifications (Preliminary)

Products	EDS-405	EDS-405-MM
<b>Technology</b>		
Standards	IEEE802.3, 802.3u, 802.3x	
Processing Type	Store and Forward, with IEEE802.3x full duplex, non-blocking flow control	
Address Table Size	1K uni-cast addresses	
<b>Interface</b>		
LED Indicators	Power, Fault, 10/100M, Ring Master	
DIP Switch	Port break alarm mask, Ring Master	
Alarm Contact	One relay output with current carrying capacity of 1A @ 24 VDC	
RJ 45 Ports	5 x 10/100BaseT(X)	3 x 10/100BaseT(X)
	10/100BaseT(X) auto negotiation speed, F/H duplex mode, and auto MDI/MDI-X connection	
Fiber Ports	N/A	2 x 100BaseFX ports (SC connector)
<b>Optical Fiber</b>		
Distance	N/A	2 km(Multi Mode)
Wavelength	N/A	1310 nm
Min. TX Output	N/A	-20 dBm
Max. TX Output	N/A	-14 dBm
Sensitivity	N/A	-34 to -30 dBm
<b>Power</b>		
Input Voltage	12 to 48 VDC, redundant dual DC power inputs	
Connection	Removable terminal block	
Overload Current Protection	Present	
Reverse Polarity Protection	Present	
<b>Mechanical</b>		
Casing	IP30 protection, aluminum case	
Dimensions	53.6 x 135 x 105 mm (W x H x D)	
Installation	DIN-Rail, panel mounting ability	
<b>Environment</b>		
Operating Temperature	0 to 60°C (32 to 140°F)	
Storage Temperature	-40 to 85°C (-40 to 185°F)	
Ambient Relative Humidity	5 to 95% (non-condensing)	
<b>Regulatory Approvals</b>		
UL/CUL	UL60950	
TUV	EN60950	
FCC	Part 15 class A	
EMI	EN55022	
EMS	EN61000-4-2 (ESD), level 3; EN61000-4-3 (RS), level 3; EN61000-4-4 (EFT), level 3; EN61000-4-5 (Surge), level 3; EN61000-4-6 (CS), level 3	
Shock	IEC60068-2-27	
Freefall	IEC60068-2-32	
Vibration	IEC60068-2-6	
WARRANTY	5 years	
* These product specs are subject to change without notice.		

### Ordering information

**EDS-405** Ring-Redundancy Ethernet Switch with 5 10/100BaseT(X) ports

**EDS-405-MM** Ring-Redundancy Ethernet Switch with 3 10/100BaseT(X) ports, 2 multi mode 100BaseFX ports

### Distributeur

### Siège

### Paris

Parc d'activité de Boufféré  
85600 Montaigu  
Tel : +33 (0) 251 09 2660  
Fax : +33 (0) 251 09 2585

166 Bd Montparnasse  
75014 Paris  
Tel : + 33 (0) 142 79 5183  
Fax : +33 (0) 142 79 5184

**Allemagne** (Laudenbach)  
**Autriche** (Vienne)  
**Grande Bretagne** (Londres)  
**Suisse** (Bubikon)

<http://www.sphinxconnect.com>

e-mail : mail@sphinxconnect.com

