TELECONTROLADORES Y SISTEMAS MODULARES

MOXA EDS-619

ESPECIFICACIONES TÉCNICAS

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El diseño modular versátil de la serie compacta EDS-619 permite a los usuarios combinar módulos de fibra y cobre para crear soluciones de conmutación adecuadas para cualquier red de automatización. El diseño modular del EDS-619 le permite instalar hasta 3 puertos Gigabit Ethernet y 16 puertos Fast Ethernet, y la tecnología avanzada Turbo Ring y Turbo Chain (tiempo de recuperación < 20 ms), RSTP/STP y MSTP ayudan a aumentar la confiabilidad y disponibilidad de su red Ethernet industrial.

También hay disponibles modelos con un rango de temperatura de funcionamiento ampliado de -40 a 75 ˚C. La serie EDS-619 admite varias funciones confiables e inteligentes, incluidas EtherNet/IP, Modbus TCP, LLDP, DHCP Option 82, SNMP Inform, QoS, IGMP snooping, VLAN, TACACS+, IEEE 802.1X, HTTPS, SSH, SNMPv3 y más , lo que hace que los conmutadores Ethernet sean adecuados para cualquier entorno industrial hostil.

CARACTERÍSTICAS

Ethernet Interface	
Module	4 slots for any combination of 4-port interface modules, 10/100BaseT(X) or 100BaseFX
Standards	IEEE 802.1D-2004 for Spanning Tree Protocol IEEE 802.1p for Class of Service IEEE 802.1Q for VLAN Tagging IEEE 802.1s for Multiple Spanning Tree Protocol IEEE 802.1w for Rapid Spanning Tree Protocol IEEE 802.1X for authentication IEEE 802.3 for 10BaseT IEEE 802.3ab for 1000BaseT(X) IEEE 802.3ad for Port Trunk with LACP IEEE 802.3u for 100BaseT(X) and 100BaseFX IEEE 802.3x for flow control

Ethernet Software Features	
Filter	GMRP, GVRP, IGMP v1/v2, Port-based VLAN
Industrial Protocols	EtherNet/IP, Modbus TCP
Management	Back Pressure Flow Control, BOOTP, DDM, DHCP Option 66/67/82, DHCP Server/Client, Flow control, IPv4/IPv6, LLDP, Port Mirror, RARP, RMON, SMTP, SNMP Inform, SNMPv1/v2c/v3, Syslog, Telnet, TFTP
MIB	Bridge MIB, Ethernet-like MIB, MIB-II, P-BRIDGE MIB, Q-BRIDGE MIB, RMON MIB Groups 1, 2, 3, 9, RSTP MIB
Redundancy Protocols	Link Aggregation, MSTP, RSTP, STP, Turbo Chain, Turbo Ring v1/v2
Security	Broadcast storm protection, HTTPS/SSL, Port Lock, RADIUS, SSH, TACACS+
Time Management	NTP Server/Client, SNTP

Switch Properties	
IGMP Groups	256
MAC Table Size	8 K
Max. No. of VLANs	64
Packet Buffer Size	1 Mbits
Priority Queues	4
VLAN ID Range	VID 1 to 4094

LED Interface	
LED Indicators	PWR1, PWR2, FAULT, MSTR/HEAD, CPLR/TAIL, G1/G2/G3

Serial Interface	
Console Port	RS-232 (TxD, RxD, GND), 10-pin RJ45 (115200, n, 8, 1)

DIP Switch Configuration	
Ethernet Interface	Turbo Ring, Master, Coupler, Reserve

Power Parameters	
Connection	1 removable 6-contact terminal block(s)
Input Voltage	12/24/48 VDC, Redundant dual inputs
Overload Current Protection	Supported
Reverse Polarity Protection	Supported

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CARACTERÍSTICAS

Physical Characteristics

IP Rating	IP30
Dimensions	185 x 151 x 157.4 mm (7.28 x 5.95 x 6.20 in)
Weight	2,509 g (5.53 lb)
Installation	DIN-rail mounting, Wall mounting (with optional kit)

Environmental Limits

Operating Temperature	EDS-619: 0 to 60°C (32 to 140°F) EDS-619-T: -40 to 75°C (-40 to 167°F)
Storage Temperature (package included)	-40 to 85°C (-40 to 185°F)
Ambient Relative Humidity	5 to 95% (non-condensing)

Standards and Certifications

Freefall	IEC 60068-2-32
EMC	EN 55032/35, EN 61000-6-2/-6-4
EMI	CISPR 32, FCC Part 15B Class A
EMS	IEC 61000-4-2 ESD: Contact: 6 kV; Air: 8 kV IEC 61000-4-3 RS: 80 MHz to 1 GHz: 10 V/m IEC 61000-4-4 EFT: Power: 4 kV; Signal: 4 kV IEC 61000-4-5 Surge: Power: 2 kV; Signal: 2 kV IEC 61000-4-6 CS: 10 V IEC 61000-4-8 PFMF
Hazardous Locations	ATEX, Class I Division 2
Maritime	ABS, DNV, LR, NK
Railway	EN 50121-4
Safety	UL 508, EN 62368-1
Shock	IEC 60068-2-27
Traffic Control	NEMA TS2
Vibration	IEC 60068-2-6

MTBF

Time	475,816 hrs
Standards	Telcordia (Bellcore), GB

Warranty

Warranty Period	5 years
Details	See www.moxa.com/warranty

Package Contents

Device	1 x EDS-619 Series switch
Cable	1 x RJ45-to-DB9 console cable

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