

IES82162XMH-S-RP

See far, growth together

L3 Hardend Grade Managed 16-port 100/1000Base-SFP + 4-port 10GBase-SFP + 8-port 10/100/1000Base-SFP or 10/100/1000Base-TX Combo Optical Ethernet Switch with Redundant AC Power Inputs

Features

- ► Layer 3 with 16 x 100/1000Base-SFP + 4 x 10GBase-SFP + 8 x 10/100/1000Base-SFP or 10/100/1000Base-TX Combo
- Support Auto-MDIX, and Full/Half Duplex self-negotiation mode
- Provide SC/FC/ST/LC interface fiber port, Support single/dual fiber transmission
- ► Layer 3 Model support OSPFv2, RIPv2, Static Route
- ► Support 10K bytes jumbo frame, compatible with various extension protocols
- Electric 8KV surge protection, easy to use in outdoor environment
- Support ERPS ring network protocol of ITU G.8032 standard, self-healing time less than 20ms
 PoE Port timing schedule for energy savings
 Intelligent power recycling for PDs
 Trap event alert via CLI/Web/SNMP management interfaces
 IEEE 802.1Q tagged 4K VLANs groups, out of 4094 VLAN IDs
 Supports provider bridging (VLAN Q-in-Q, IEEE 802.1ad)
 Redundant AC Power Inputs



Specifications

04 1 1		
Standards		
IEEE 802.3	10Base-TX 10Mbit/s Ethernet	
IEEE 802.3u	100Base-TX, 100Base-FX, Fast Ethernet	
IEEE 802.3ab	1000Base-TX Gbit/s Ethernet over twisted pair	
IEEE 802.3z	1000Base-X Gbit/s Ethernet over Fiber-Optic	
IEEE 802.3x	Flow control for Full Duplex	
IEEE 802.3az	EEE (Energy Efficient Ethernet)	
IEEE 802.3ah	EFM-OAM	
IEEE 802.1Q	Virtual LANs (VLAN)	
IEEE 802.1X	Port based and MAC based Network Access Control, Authentication	
IEEE 802.1d	STP (Spanning Tree Protocol)	
IEEE 802.1w	RSTP (Rapid Spanning Tree Protocol)	
IEEE 802.1s	MSTP (Multiple Spanning Tree Protocol)	
ITU-T G.8032 / Y.1344	ERPS (Ethernet Ring Protection Switching)	
IEEE802.3ac	Max frame size extended to 1522Bytes	
IEEE 802.3ad	Link aggregation for parallel links with LACP(Link Aggregation Control Protocol)	
IEEE 802.1ad	Q-in-Q VLAN stacking	
IEEE 802.1p	LAN Layer 2 QoS/CoS Protocol for Traffic Prioritization	
IEEE 802.1ab	Link Layer Discovery Protocol (LLDP)	
Switching Property		
Packet Buffer	12Mbits	
Jumbo Frame	10Kbytes	
MAC Address Table	8K	
Flow Control	IEEE 802.3x flow control for Full Duplex mode, Back pressure for Half Duplex mode	
Data Processing	Store and Forward (Full/Half Duplex mode)	
Switch Architecture	Delay time: < 7μs; Back-plane bandwidth: 128Gbps/non-blocking;	
	Packet forwarding rate: 96Mpps	





B-G-3A, Endah Promenade No. 5, Jalan 3/149E, Taman Sri Endah, Sri Petaling, 57000 Kuala Lumpur.



















owth together SFP Port	100/1000Base-SFP, support 100/1000M dual speed with DDMI
	Transmission Distance: depends on SFP Module
Console	RS-232 (RJ-45)
Power Supply	
Redundant Power Input	AC220V redundant
Removable Terminal Block	Provide 2 redundant power, alarm relay contact (optional), 6 Pin
Alarm Relay Contact	Relay outputs with current carrying capacity of 1A @24VDC
Overload Current Protection	Support
Reverse Polarity Protection	Support
Power Consumption	Full-load<30W
LED Indicator	
Power	Connect-always
RJ45	Link/Act: connect-always; data exchange-twinkle
SFP	Link/Act: connect-always; data exchange-twinkle
Mechanical Specs	
Material	IP40 aluminum housing
Cooling	Passive cooling, fan-less design
Dimension	440 x 300 x 45 mm
Installation	DIN Rail mounting, and wall mounting
Weight	3Kg
Management Software	
Redundant Network	Support STP/RSTP
Noduridani Network	Support EAPS, ERPS (Recovery time<20ms)
Routing	Support Static Routing
Multicast Support	Support IGMP Snooping
	Support GMRP
VLAN	Support IEEE 802.1Q 4K VLAN
	Support Q-in-Q
Link Aggregation	Support Manual Aggregation
	Support Static/Dynamic LACP protocols
QOS	Support COS, DSCP, 8 queues
	Support WRR, SP, WFQ scheduling mode, policy QOS
Diagnostic Maintenance	Support Port Mirroring
	Support Syslog,
	Support Ping command, etc.
Management Mode	Support CLI, WEB, SNMP
Alarm Management	Support 1 way relay alarm output
	Support RMON management, TRAP alarm
Security	Support DHCP Snooping, Option 82
	Support 802.1X security access
	Support user hierarchical management
	Support ACL access control list
	Support port-based MAC filtering / binding, MAC white-list
Port Management	Support port enabled and disabled
	Support port speed setting
	Support 802.3x flow control
L3 management	
	IPV4 / IPV6 1024 (IPv4), 512 (IPv6)
Static routing	DID CODE VIDED ASS VID
Static routing Dynamic routing	RIP, OSPF, VRRP, ARP, ND
Static routing Dynamic routing Login IP	192.168.1.6
Static routing Dynamic routing	



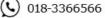
Operating Temperature



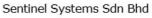




-40°C ~ 75°C (-40°F to 167°F)













Available Model	Description	
IES82162XMH-S-RP	L3 Hardend Grade Managed 16-port 100/1000Base-SFP + 4-port 10GBase-SFP + 8-port 10/100/1000Base-SFP or 10/100/1000Base-TX Combo Optical Ethernet Switch with Redundant AC Power Inputs	
Optional Accessories (to be purchased separately)		
SFP	(S)=SFP Option. Please select your SFP on our SFP Modules page for details.	

Package Checklist		
■ Managed Switch	x 1	
■ DB9 female to RJ45 10 pin	x 1	
■ Rack Mount Kits	x 2	
■ Quick Installation Guide	x 1	



Address:

B-G-3A, Endah Promenade No. 5,

Sri Petaling, 57000 Kuala Lumpur.

Jalan 3/149E, Taman Sri Endah,



