



KS-ES082GM

10-Port Full Gigabit Managed Ethernet Switch
8-Port Gigabit+2-SFP+1-Console

#Version 1.0 by Kosky

KS-ES082GM

Introduction



KS-ES082GM is the reliable high-performance full gigabit managed Ethernet switch with a developed hardware structure and software platform. It provides 8*Gigabit Ethernet ports, 2*Gigabit SFP+ slots and 1*console port with a powerful processing capacity, multiple security policies and convenient maintenance and management. Based on these advantages KS-ES-082GM is capable to fulfill the demands of high-density connections and high-performance aggregation at access or aggregation layer network deployment. As the Layer 2 managed switch KS-ES2404GM supports VLAN, cluster QoS, speed control, redundant ring network, port image, fault alarm, firmware online upgrade, ACL, 4M big buffer, DHCP Snooping, LLDP neighbor discovery, IGMP multicast, 4kV surge protection and etc. Besides strong hardware and software integration KS-ES082GM supports user-friendly installations with great heat dissipation architecture design. In one word KS-ES082GM is the trustworthy switch used for small to big networks such as SOHO, cafes, hotel and schools especially together with our rich networking product lines.

Highlights

- √ Support full gigabit ports of 8*gigabit RJ45 ports, 2*Gigabit SFP uplink and 1*Console port
- √ Comply with IEEE802.3x/ad/s/w/q/p/x and IEEE802.1d/w/s/p/q VLAN/x/ab standard
- √ Support flexible management and maintenance methods of Web, CLI, SNMP and RMON
- √ 4kV surge protection for stable performance and good anti-interference capability
- √ Support STP/RSTP/MSTP (ERPS) and loop detection & self-healing
- √ Support AAA authentication and TACACS+ authentication for better security
- √ Special fanless design with effective natural cooling and 1U rack-mount

Key Features

◆ Full gigabit Layer 2 managed switch

8*10/100/1000Mbps RJ45 ports, 2*10G SFP+ slots uplink and 1*console port for flexible networking with ultra-performance and security guarantee.

◆ Excellent hardware and software integration

Based on the new hardware architecture and advanced chipset functions the device has featuring security, high efficiency, energy saving and innovation as well as faster hardware processing and better operation experience.

◆ Key hardware parameters description

Supports bandwidth 20Gbps, flash memory of 16MB, DDR SDRAM 128M, packet forwarding rate 14Mpps, packet buffer memory 4MB, MAC address 8K and maximum 4096 VLANs.

◆ Key software parameters description

Support IPv4, IPv6, port switch/duplex/flow control, link aggregation, storm control, port mirroring, port security, VLAN, MAC address, spanning tree, LLDP, multicast, QoS, DHCP, access protocol, security, diagnostics, syslog, management and so on.

◆ Compact design for convenient application to any environment

Support easy installation to various environments where you would like to deploy the product with stable working and easy configuration.

◆ Support multiple VLAN divisions

Support MAC VLAN, Protocol VLAN and Private VLAN to improve the management efficiency and convenience.

◆ Multiple security management methods

Through AAA authentication of port/RADIUS/TACACS+, ACL of MAC/IPv4/IPv6 and DHCP Snooping to bring the great security protection during the network application.

Specification

Product Information	
Model	KS-ES082GM
Dimensions	268*181*44mm
Specifications	
Power	Input 100~240V AC, 50/60Hz
Port	8*Gigabit port and 2*Gigabit SFP port,1 * RJ45 Console Port
Backplane Bandwidth	20Gbps
Package Forwarding Rate	14.88Mpps
Packet Buffer	4Mbit
MAC Address	8K
Jumbo Frame	9.6Kbytes
DDR	128MByte
Flash Memory	16MByte
Transfer Mode	Store-and-forward
MTBF	100000 hours
Network Protocol	IEEE802.3: 10Base-T
	IEEE802.3u :1 00Base-TX
	IEEE802.3ab: 1000Base-TX
	IEEE802.3z : 1000Base-FX
	EEE 802.3x: Flow control
	IEEE 802.1ab: LLDP/LLDP-MED (Link Layer Discovery Protocol)
	IEEE 802.1p: LAN Layer QoS/CoS Protocol Traffic Prioritization(Multicast filtering function)
	IEEE 802.1q: VLAN Bridge Operation
	IEEE 802.1x: Client/Server Access Control and Authentication Protocol
	IEEE 802.3ad: Standard method for performing link aggregation
	IEEE 802.1d: STP
	IEEE 802.1s: MSTP
IEEE 802.1w: RSTP	

Industry Standard	EMI: FCC Part 15 CISPR (EN55032) class A
	EMS: EN61000-4-2 (ESD)、EN61000-4-4 (EFT)、EN61000-4-5 (Surge)
Network Media	10BASE-T: Cat3、4、5 or above UTP(≤100 M)
	100BASE-TX: Cat5 or above UTP(≤100 M)
	1000BASE-TX: Cat5 or above UTP(≤100 M)
Fiber Medium	Multi mode: 850/1310nm (0-2KM)
	Single mode: 1310/1550/1490nm(0-120KM)
Software Function	
Port Management	Enable/Disable Port
	Speed、Duplex、MTU Setting
	Flow-control
	Port Information Check
Port Mirroring	Supports both side-way port mirroring
Port Speed Limit	Supports port-based input / output bandwidth management
Port Isolation	Support the downlink port isolation, and can communicate with the uplink port
Storm Suppression	Supports unknown unicast, multicast, unknown multicast,
	broadcast type storm suppression
	Storm suppression based on bandwidth regulation and storm filtering
Link Aggregation	Support static manual aggregation
	Support LACP dynamic aggregation
VLAN	Access
	Trunk
	Hybrid
	Support port, protocol, MAC-based VLAN partitioning
	Support GVRP dynamic VLAN registration
	Voice VLAN
MAC	Support static addition, deletion
	MAC address learning limit
	Support dynamic aging time setting

Spanning tree	Support STP spanning tree protocol
	Supports RSTP Rapid Spanning Tree Protocol
	Supports MSTP Rapid Spanning Tree Protocol
Multicast	Support static addition, deletion
	IGMP-snooping
	Support MLD-Snooping
	Support v1/2/3 dynamic multicast monitor
DDM	Support SFP/SFP+DDM
ACL	Based on source MAC, destination MAC, protocol type, source IP, destination IP, L4 port
Qos	Based on 802.1p (COS) classification
	Based on DSCP classification
	Classification based on source IP, destination IP, and port number
	Support SP, WRR scheduling strategy
	Support flow rate limit CAR
DDM	Support flow rate limit CAR
User settings	Add/delete users
Log	User login, operation, status, events
Anti-attack	DOS defense
	Support CPU protection and limits the rate of sending cpu packets
	ARP binding (IP, MAC, PORT binding)
Certification	Support 802.1x port authentication
	Support AAA certification
Network diagnosis	Support ping, telnet, trace
System Management	Device reset, configuration save/restore, upgrade management, time setting, etc.
CLI	Support serial port command line management
SSH	Support SSHv1/2 remote management
TELNET	Support telnet remote management
WEB	Support Layer 2 settings, Layer 2 and Layer 3 monitor

SNMP	SNMP V1/V2/V3
	Support trap: ColdStart、WarmStart、LinkDown、LinkUp
RMON	Support RMON v1
Others	
Operating Temperature	-10℃ ~ 50℃
Storage Temperature	-40℃ ~ 70℃
Operating Humidity	10%~90% non-condensing
Storage Humidity	5%~95% non-condensing
Certifications	CE/FCC/RoHS

Packaging List

Material	QTY
KS-ES082GM	1
Power Cord	1
User Manual	1

Relevant Useful Products

Model	Description
KS-AP1800	1800M Wi-Fi 6 New-gen Ceiling AP
KS-PS082	10-Port 100/1000M Smart PoE Switch
KS-ES008G	8-Port Metal Gigabit Ethernet Switch

Note: For more information about the recommended products you can check our website or freely contact our product R&D team by E-mail: support@koskyglobal.com

Exceed Your Expectation



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