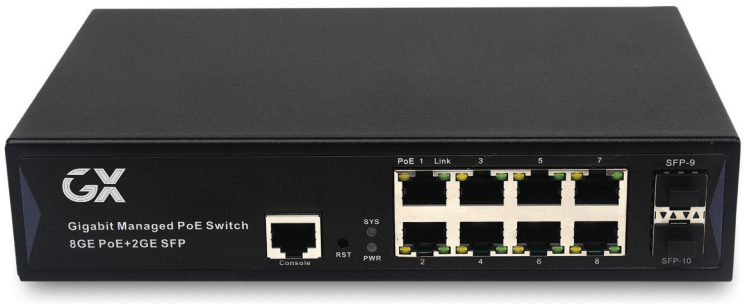
Model No. : JSW-E08Z

COMMERCIAL GRADE MANAGED POE SWITCH

NETWORK SWITCH

JUPITER E08Z

PRODUCT DATASHEET



PRODUCT DESCRIPTION

JUPITER E08Z

is the latest addition in our switch portfolio which provides 8*10/100/1000 Base-T self-negotiated Ethernet ports and 2*1 Gbps or 2.5 Gbps ports.

Jupiter E08Z supports international standard G.8032 ERPS (Ethernet Ring Protection Switching technology) and POE supports 150W power budget.

PRODUCT FEATURES

8x
POE Ethernet Ports

20 Gbps
Switch capacity

2x SFP Ports
1G Support

GX

WWW.GXGROUP.EU

PRODUCT JSW-E08Z

FEATURES & SPECIFICATIONS

GENERAL FEATURES

DIMENSIONS
L=208mm W=140mm H=42mm

WORKING TEMPERATURE
-20 to 55 °C

STORAGE TEMPERATURE
-40 to 75 °C

OPERATING HUMIDITY
5% to 90%, non-condensing

POWER TYPE AND CONSUMPTION
Input : 220V AC ; 50/60Hz,
System: 10W + PoE: 140W = Total 150W

NET/GROSS WEIGHT
1.2 / 1.5 Kg

SYSTEM SPECIFICATIONS

CHIPSET
MIPS 416MHz, 32-bit CPU

PORTS
8x POE (8*10/100/1000Base-TX) Ports
2x SFP (2*1000M) Ports
1x Console Port
1x RESET

PACKET FORWARDING RATE
14.88 MPPS

FLASH
16 Mbi.

SWITCH CAPACITY
20 Gbps

MEMORY
128MB DDR2 SDRAM

MAC ADDRESS
Supports 8K | Buffer : 1.4M

VLAN
Supports 4,096 (IEEE802.1Q)

PORT CONTROL

- Half duplex based back pressure control
- Full duplex based on PAUSE frame
- Port supports automatic negotiation (self-negotiation transmission rate and duplex mode)
- Port Status (Link Monitoring)
- Port Statistics (MIB Counters)
- Port Cable Diagnostics
- SFP Detection

NETWORK PROTOCOLS

- IEEE 802.3
- IEEE 802.3u 100BASE-TX
- IEEE 802.3ab1000BASE-T
- IEEE 802.3x
- IEEE 802.3z 1000BASE-X
- IEEE 802.3af/at
- IEEE 802.3ad
- IEEE 802.3q/p
- IEEE 802.1w 802.1d 802.1s
- STP(Spanning Tree Protocol)
- RSTP/MSTP(Rapid Spanning Tree Protocol)
- EPPS ring network protocol
- EAPS ring network protocol

PRODUCT JSW-E08Z

FEATURES & SPECIFICATIONS

QoS

- 802.1p port queue priority algorithm
- Cos/Tos, QOS sign
- WRR (Weighted Round Robin), Weighted priority rotation algorithm
- WRR, SP, WFQ, 3 priority scheduling models

SOFTWARE FEATURES

MAC ADDRESS

- Supports 16k MAC addresses
- MAC address learning and aging

VLAN

- Port based VLANs
- Up to 4096 VLAN
- Support Voice VLAN,can configure QoS for voice data
- 802.1Q VLAN

SPANNING TREE PROTOCOL

- STP(Spanning tree protocol)
- RSTP(Rapid spanning tree protocol)
- MSTP(Rapid spanning tree protocol)
- EPPS(Ring network protocol)
- EAPS(Ring network protocol)
- 802.1x argumentation agreement

DHCP

- DHCP Snooping

SOFTWARE FEATURES

LINK AGGREGATION

- Max 8 aggregation groups TRUNK, each supports 8 ports

LOOP PROTECTION

- Loop protection function, real-time detection, rapid alarm, accurate positioning, intelligent blocking,automatic recovery

IGMP SNOOPING

- IGMPv1/2/3 and MLDv1/2
- GMRP Protocol Registration
- Multicast address management, multicast VLAN,multicast routing ports, static multicast addresses

STORM CONTROL

- Unknown unicast, multicast,unknown multicast,storm suppression of broadcast type, Storm suppression based on bandwidth tuning and storm filtering

SECURITY

- User port+ IP Address+ MAC Address
- ACL based on IP and MAC
- Security properties of port based MAC address quantities

PORT ISOLATION

- Support downlink ports isolated from each other and communicate with uplink port

PRODUCT JSW-E08Z

FEATURES & SPECIFICATIONS

MANAGFMENT AND MAINTENANCE

SYSTEM MAINTENANCE

- Upgrade package upload
- System log view
- WEB restore factory configuration

NETWORK MANAGEMENT

- WEB NMS
- CLI management based on Telnet, TFTIP, Console
- SNMP V1/V2/V3;
- RMON V1/V2
- RMON Management

MISCELLANEOUS

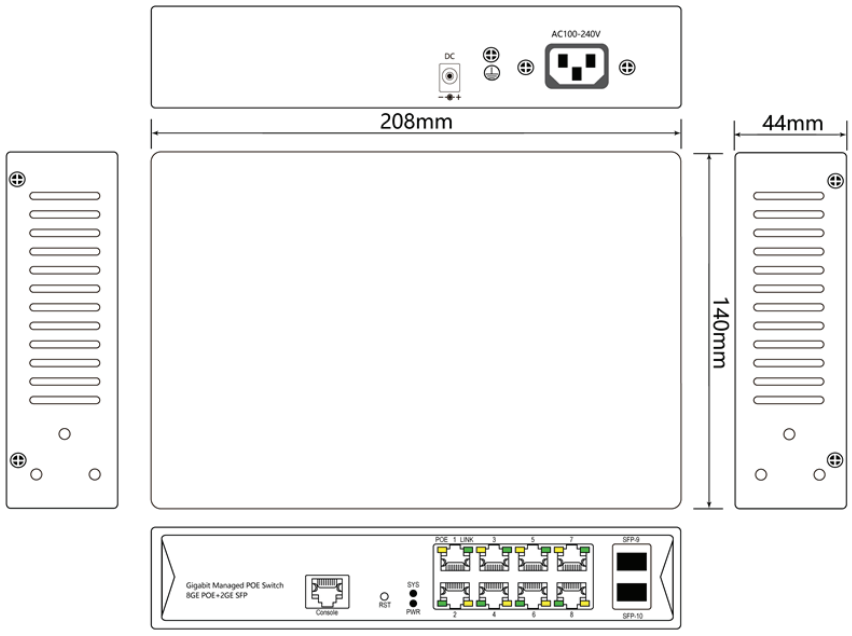
CABLE SEQUENCE

- Auto-MDIX; auto identification of straight-through cables and crossover cables

NEGOTIATION MODE

- Port supports automatic negotiation (self-negotiation transmission rate and duplex mode)

PRODUCT DIMENSIONS



*Pictures of the product shown are representative and may change