Model No. : JSW-E08ZV2

COMMERCIAL GRADE MANAGED POE SWITCH

NETWORK SWITCH

JUPITER E08ZV2

PRODUCT DATASHEET



PRODUCT DESCRIPTION

JUPITER E08ZV2

Is the latest addition in our switch portfolio which provides 8*10/100/1000 Base-T self-negotiated Ethernet ports and 2*1 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 enabled Ports

20 Gbps
Switch capacity

2x
SFP Ports

WWW.GXGROUP.EU

PRODUCT JSW-E08ZV2

FEATURES & SPECIFICATIONS

GENERAL FEATURES

DIMENSIONS
L=280mm W=180mm H=44mm

WORKING TEMPERATURE
0 to 45 °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
Per PoE Port : 30W Max

NET/GROSS WEIGHT
1.2 / 1.5 Kg

SYSTEM SPECIFICATIONS

CHIPSET
RTL8380M

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 at 64 byte

FLASH
256 MBit

SWITCH CAPACITY
20 Gbps

MEMORY
1 Gbit DDR3 SDRAM

IGMP
255

MAC ADDRESS
Supports 8K | Buffer : 1.4M

VLAN
Supports 4,096 (IEEE802.1Q)

JUMBO FRAME
9216 Bytes

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
- Link Aggregation Protocol (LACP)
- Unidirectional Link Detection (UDLD)/ (LBD)

NETWORK PROTOCOLS

- IEEE 802.1d
- IEEE 802.1p 100BASE-TX
- IEEE 802.1Q1000BASE-T
- IEEE 802.1s
- IEEE 802.1w 1000BASE-X
- IEEE 802.1x
- IEEE 802.1ab
- IEEE 802.3ad
- 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 support LLDP / LLDP-MED
- Unicast and multicast port
- Switch should support Dying Gasp

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FEATURES & SPECIFICATIONS

QoS

- 802.1p port queue priority algorithm
- Per-port broadcast, multicast
- WRR (Weighted Round Robin), Weighted priority rotation algorithm
- WRR, SP, WFQ, 3 priority scheduling models
- Four egress queues per port to enable
- It support Automatic Negotiation of link speed and duplex

SOFTWARE FEATURES

MAC ADDRESS

- Supports 8K 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
- Multilevel security on console
- BPDU filtering feature
- Spanning-Tree Root Guard (STRG)

PORT ISOLATION

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

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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
- Layer 2 trace /Trivial File Transfer Protocol /Loopback Detection /Ethernet Ring Protection Switching
- Surge protection Common mode ±4KV, Differential mode ±2KV

L2 Switching Protection

- Support configuration rollback
- Automatic Negotiation of link speed and duplex
- Spanning-tree root guard

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)

Standard & Applications

- UL 60950
- EN 55022 Class A/B or CISPR22 Class A/B
- Electromagnetic Compatibility (EMC)
- Standards ISO 9001:2015

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MECHANICAL DRAWING

