Model No. : JSW-E08Zi

INDUSTRIAL GRADE

POE SWITCH UNIT

JUPITER E08Zi

PRODUCT DATASHEET



PRODUCT DESCRIPTION

JUPITER E08Zi 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.

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

PRODUCT FEATURES

8x
POE supported
1G Ports

28 Gbps
Switch capacity

2x
1G/2.5G
SFP Ports

PRODUCT JUPITER E08Zi

FEATURES & SPECIFICATIONS

GENERAL/PHYSICAL FEATURES

DIMENSIONS
L=254mm W=180mm H=44mm

THERMAL DESIGN
2x fan

PORTS
8x POE Ports

WORKING TEMPERATURE
-40 to 80 °C

STORAGE TEMPERATURE
-40 to 85 °C

OPERATING HUMIDITY
5% to 95%, non-condensing

POWER TYPE AND CONSUMPTION
Input : DC 10-55V
System: 10W | PoE: 132W

SYSTEM SPECIFICATIONS

CHIPSET
MIPS 416MHz, 32-bit CPU

PACKET FORWARDING RATE
20.8 MPPS

FLASH
16 MB

SWITCH CAPACITY
28 Gbps

MEMORY
128MB DDR2 SDRAM

MAC ADDRESS
Supports 8,192 addresses

VLAN
Supports 4,096 (IEEE802.1Q)

PORT CONTROL

- Port Speed/Duplex Mode/Flow Control
- Port Frame Size (Jumbo Frame Max. 9.6KB)
- Port State (Administrative Status)
- Port Status (Link Monitoring)
- Port Statistics (MIB Counters)
- Port Cable Diagnostics
- SFP Detection

L2 SWITCHING

- IEEE 802.1D Bridge (Auto MAC Address Learning/Aging, MAC Addresses-Static)
- IEEE 802.1Q VLAN, IEEE 802.1ad VLAN Q-in-Q
- VLAN Translation
- MAC, Protocol, IP Subnet based VLAN
- VLAN Trunking
- GARP VLAN Registration - GVRP
- Multiple Registration Protocol - MRP
- Multiple VLAN Registration Protocol - MVRP
- Multiple MAC Registration Protocol - MMRP
- IEEE 802.1ad Provider Bridge
- IEEE 802.1d STP, IEEE 802.1w RSTP, IEEE 802.1s MSTP
- G.8032 ERPs(Ethernet Ring Protection Switching)
- Loop Guard
- IEEE 802.3ad Link Aggregation
- IGMPv2, IGMPv3 Snooping
- MLDv1, MLDv2 Snooping
- DHCP Snooping
- ARP Inspection
- Port Mirroring, Flow Mirroring

PRODUCT JUPITER E08Zi

FEATURES & SPECIFICATIONS

L3 SWITCHING

- DHCP option 82 relay
- UPNP

QoS

- Traffic Classes (8 Active Priorities)
- Port Default Priority
- Input Priority Mapping
- QoS Control List (QCL)
- Storm Control for Unicast, Multicast, Broadcast
- Port/Queue Egress Shaper
- DiffServ (RFC2474) Remarking
- Tag Remarking

PoE

- 802.3af/at
- PD(Power Device) Detection
- Zero Current Detection
- Over Current Protection
- Internal MOSFET with Thermal Protection
- Precision Inrush Control with Internal Sense Resistor
- Robust Short-Circuit Protection

SYNC AND OAM

- IEEE 1588 PTP(Precision Time Protocol)
- NTPv4 Client
- Link OAM (IEEE 802.3ah)
- Flow OAM (IEEE 802.3ag/Y.1731) Management

SECURITY

- IEEE 802.1X (Port-based 802.1X, Single 802.1X, Multiple 802.1X)
- MAC based Authentication
- RADIUS Accounting
- MAC Address Limit
- MAC Freeze
- MAC Spoofing
- IP MAC Binding
- TACACS+
- Web & CLI Authentication
- ACLs for Filtering/Policing/Port Copy
- IP Source Guard

MANAGEMENT

- Remote Port Power Reset
- DHCP/DHCPv6 Client, DHCP Server
- DNS Client, Proxy
- Web-based Management
- CLI, Telnet
- HTTPS, SSHv2
- IPv6 Management
- System Syslog
- Software Upload via Web
- SNMP v1/v2c/v3 Agent
- RMON (Group 1, 2, 3, 9)
- SNMP Trap Group
- IEEE 802.1ab LLDP
- Configuration Download/Upload