POE SWITCH UNIT

Model No. : JSW-E24Z

JUPITER E24Z

PRODUCT DATASHEET



PRODUCT DESCRIPTION

JUPITER E24Z

is the latest addition in our switch po folio which provides 24*10/100/1000Base-T self-negotiated Ethernet ports and 4*10G SFP ports.

Each Ethernet port supports POE function, and POE supports 370W power budget.

PRODUCT FEATURES

24x
POE supported 1G Ports

128 Gbps
Switch capacity

4x
SFP 10G Ports

PRODUCT JUPITER E24Z

FEATURES & SPECIFICATIONS



GENERAL/PHYSICAL FEATURES

DIMENSIONS
L=440mm W=207mm D=44.5mm

THERMAL
2x Fan

PORTS
24x POE Ports | 4x 10G SFP slots | 1x RJ45 console port

WORKING TEMPERATURE
0 to 45 °Celsius

STORAGE TEMPERATURE
-40 to 70 °Celsius

OPERATING HUMIDITY
10% to 90%, non-condensing

POWER TYPE AND CONSUMPTION
100V~240V AC (Dual Power Redundancy)
Supply : 400W | PoE : 370W
Per PoE Port : 30W Max

SYSTEM SPECIFICATIONS

CHIPSET
Main SOC: RTL9301

FORWARDING RATE
95.3 MPPS

FLASH
256 Mbit

SWITCH CAPACITY
128 Gbps

DRAM
4 GBit DDR3

PACKET BUFFER
12 Mbit

MAC TABLE
Support 16k

VLAN SUPPORT
4k

JUMBO FRAME
12k Byte

ETHERNET INTERFACE

PROTOCOL
IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3x, IEEE 802.3at, IEEE 802.3af

CONNECTOR TYPE
RJ45

NUMBER OF PORTS
24

INTERFACE
MDI/MDI-X

IMPEDANCE
100 Ohm

DATA RATE
10Mbps | 100Mbps | 1000Mbps

DUPLEX MODE
Half duplex | Full duplex | Self Negotiated

MAX. TRANSMISSION DISTANCE
100m

QoS FEATURES

- Hard wired IEEE 802.1p 8 priority queues per port
- Traffic scheduling based on strict/ WRR priority
- CoS based traf c classi cation on switch port, VLAN ID, DSCP, TCP/UDP port
- IEEE 802.1p priority tag remarking; DSCP remarking Per Port/Queue based ingress/egress rate limit in steps of 100kbps
- IEEE 802.3x flow control
- Multicast/Broadcast/Unicast storm policing with flooding control
- sFlow version 5 supporte
- Ethernet link OAM supported as pe IEEE 802.ah

PRODUCT | JUPITER E24Z

FEATURES & SPECIFICATIONS



VLAN SUPPORT

- Port based VLAN
- 802.1Q tag based VLAN
- MAC based VLAN
- Protocol based VLAN
- Management VLAN
- Private VLAN Edge
- Q in Q (double tag) VLAN
- Voice VLAN

L3 SWITCHING

- Static routing - IPv4 / IPv6 (64 routes)

L2 SWITCHING PROTECTION

- IEEE 802.1D STP/IEEE 802.1w RSTP/IEEE 802.1s MSTP, Loop Protection

STANDARDS & APPLICATIONS

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

IP MULTICASTING

- IGMP snooping v1/v2/v3, IGMP proxy reporting
- MLD snooping v1/v2
- IGMP fast leave ; IGMP query ; IGMP filtering/throttling
- MVR (Multicast VLAN Registration)

LINK AGGREGATION

- Static trunk (SA, DA, IP, TCP/UDP port)
- IEEE 802.3ad LACP, 14 LACP trunk groups Max, 8 port Max. per LACP trunk group

SECURITY

- Static port security (MAC based)
- Per port limited MAC learning
- Port based/MAC base/single/multiple IEEE 802.1x access control
- RADIUS/TACACS+ authentication
- HTTPs & SSH v2
- IP/MAC binding
- IP source guard & ARP inspection

PRODUCT | JUPITER E24Z

FEATURES & SPECIFICATIONS



MIB

- MIB II (RFC1213)
- Interface MIB(RFC2233)
- Ethernet Interface MIB(RFC1643)
- Bridge MIB (RFC1493)
- P/Q-Bridge MIB (RFC2674)
- RMON MIB (RFC2819)
- RMON2 MIB (RFC2021)
- Radius accounting client MIB (RFC2620)
- Radius Authentication client MIB (RFC2618)
- Remote PING, Traceroute MIB (RFC2925)
- Support private MIBs

MANAGEMENT

- WebGUI/Telnet CLI interface
- SNMP v1/v2c/v3
- RMON I (1,2,3,9 groups), RFC1213 MIB II, Private MIB
- DHCP client/snooping/relay option 82
- TFTP/HTTP based firmware and configuration upgrade
- Port mirroring, RSPAN
- Event syslog server
- NTPv4 client, UPnP, IPv4/IPv6
- IEEE 802.1ab LLDP | SFF-8472 DDMI
- Text based config. download & upload

PSU CONFIGURATION OPTIONS

Model	Description	Power Configuration
JSW-E24Z	24 Port PoE enabled switc	Dual Power Supply (AC-AC)
JSW-E24Z	24 Port PoE enabled switc	Dual Power supply (AC-DC)
JSW-E24Z	24 Port PoE enabled switc	Dual Power supply (DC-DC)
JSW-E24Z	24 Port PoE enabled switc	Single Power supply (AC or DC)

PRODUCT JUPITER E24Z

MECHANICAL DRAWING



