JETPOE

JetNet 5724G

Rackmount 24 10/100 PoE plus 2 Giga SFP / Combo Managed Switch

CE FC RoHS

- 24 10/100 plus 2 MINI GBIC /RJ-45 combo switch with 24 POE injector and build in 200W AC power
- Complies with IEEE802.3 10BASE-T, 802.3u 100BASE-TX/FX, 802.3ab 1000BASE-T, 802.3z Gigabit fiber, 802.3af power over Ethernet
- IGMP snooping and IGMP Query mode for Multi-media application
- Supports GVRP function
- Provides extra DC 48V input with redundant function and management power status through RS-232 port
- Management by Web/SNMP/Telnet/Console
- Port Based VLAN /802 .1Q Tag VLAN
- IEEE802.3ad Port trunk with LACP
- IEEE 802.1p class of service
- IEEE 802.1x user authentication
- SNTP support

Hardware Specifications

Standard:
IEEE802.3 10BASE-T
IEEE802.3u 100BASE-TX/100BASE-FX
IEEE802.3z Gigabit SX/LX
IEE802.3ab Gigabit 1000T
IEEE802.3x Flow Control and Back pressure
IEEE802.3ad Port trunk with LACP
IEEE802.1d Spanning tree protocol
IIEEE802.1w Rapid spanning tree protocol
IEEE802.1p Class of service
IEEE802.1Q VLAN Tagging
IEEE 802.1x user authentication
IEEE802.3af Power over Ethernet
Connector:
10/100TX: 24 x RJ-45
Gigabit Copper: 2 x RJ-45
2 MINI GBIC for MINI GBIC transceiver
Switch architecture: Store and forward switch architecture. Back-plane up to 8.8Gbps
MAC address: 8K MAC address table with Auto learning function
Memory: 3Mbits for packet buffer
Flash ROM: 512Kbytes x 2
System memory: 8Mbytes x 1

LED: System Power
10/100TX RJ-45 Port: Link/Active (Green: 1000Mbps/ Yellow: 10/100Mbps), Full-duplex/collision
MINI GBIC/ Copper: Link/Activity, Full duplex/collision, 1000Mbps, 100Mbps
Connector:
 24-port RJ-45 for 10/100TX
RJ-45 Pin assignment and polarity: 1/2:RX signal and -48V DC; 3/6:TX signal and +48V DC
RS-232 connector: One RS-232 DB-9 female connector for switch management and 2 RS-232 DB-9
male connectors on rear side for DC power supply and UPS management.
Remote power feeding: End-point insert type and compatible with IEEE802.3af
Per port feeding power: 15.4Watts (maximum)
Power: Embedded AC power supply: AC 100~240V, 50/60Hz, 200W
Extra power input: DC48V
Power consumption: 20W (maximum /without PD)
Ventilation: 2 DC Fans with detect function
Operating environment: $0^{\circ}C$~$40^{\circ}C$, 10%~95%RH
Storage environment: $-40^{\circ}C$~$70^{\circ}C$, 95% RH
Dimension: 440mm(W) x 280mm(D) x 44mm(H)
EMI: FCC Class A, CE
Safety: UL, cUL, CE/EN6095

Software Specifications

Management: SNMP management, Telnet management, web management, RS-232 terminal
console for command line interface management

SNMP MIB: RFC 1157 SNMP, RFC 1213 MIB II, RFC 1643 Ethernet like, RFC 1493 Bridge MIB,
RFC 2674 VLAN MIB, private MIB, RFC 1628 UPS MIB, RFC3621 Power Ethernet
MIB

RFC standard: RFC 2030 SNTP, RFC 2821 SMTP (option), RFC 1492 TACACS+ (option), RFC
1215 Trap, RFC 1757 RMON 1

Type of Trap: Cold start, warm start, link down, link up, authorization fail, Trap station up to 3.
Private trap for power supply device.

Software Upgrade: TFTP and console firmware upgradeable.

Port Trunk: Support IEEE802.3ad with LACP function. Up to 7 trunk groups and group member up to 4. The trunk port within 24-port 10/100TX and extension module.
Spanning Tree IEEE802.1d spanning tree, IEEE802.1w rapid spanning tree.

VLAN: Port based VLAN
IEEE802.1Q Tag VLAN
IEEE802.1v Protocol VLAN (IP, IPX,..)
The static VLAN groups up to 256 and dynamic VLAN groups up to 2048, the VLAN
ID can be assigned from 1 to 4094.

Class of Service: Per system supports high and low queues. The priority service rule: first come first
service, all High before Low, WRR for High or low weight.

Port-based Priority: Support 3 settings: "Disable, Low or High priority". When set to "Disable", the income packet will follow QOS policy; Otherwise, the packet will follow port priority setting to "High/Low" queue.

IGMP: It supports IGMP snooping for multimedia application and supports 256 groups

Port Security: It supports ingress and egress MAC address filter and static source MAC address lock.

Port Mirror: Global system supports 3 mirroring types: "RX, TX and Both packet". The maximum of port mirror entries is up to 25.

Bandwidth Control: Per port supports bandwidth control. Per level 100Kbps.

802.1x Authentication: Support IEEE802.1x User Authentication and can report to RADIUS server.
 Reject
 Accept
 Authorize
 Disable

DHCP: DHCP client

Packet filter: Broadcast storm filter

System setup and control: System calibrate, AC power line frequency rejection, IEEE 802.3af resistor range adjust

Port configuration control: Port Disable / Enable.
PD detect control (enable/disable), Classification detect control (enable/disable), DC disconnect detect control

Fault status detect: Null: no PD present
Overload: current support over 475mA @ DC 48V and over 50 milliseconds
DR fail: PD discovery resistor is not in the limited range

Mode status: System detects status, it will show I –sample, V-sample and R-detect.

Parametric information: It will show current PD parameters, it include Discover-resistor detected value, current, voltage, power consumption, classification current and determined class

SNTP: Supports RFC 2030 Simple Network Time Protocol

SMTP: Supports RFC2821 Simple Mail Transfer protocol (option)

System log: System Log record up to 1000 entries.

Power monitor: Support power supply monitoring function for AC power, DC power, fan status
3 types of power supply can be installed with POE switch and POE-UPWM.

Power testing: Support test function to testing power supply.

Ordering Information

JetNet 5724G Rackmount 24 port 10/100 PoE with 2 Giga SFP Combo Managed POE switch,

embedded 200W AC power and one DC power input