



24 Port PoE Switch

IV-JF24POE

Features

- . Up to 30W of Power on
- . IEEE 802.3af backward compatible
- . Compatible With All IEEE 802.3af or Legacy
- . Safe: Low Power Devices Receive Only the Power They Need
- . Safe and Reliable Power to WLAN Access Points
- . Automatic Detection and Protection of Non-standard Ethernet Terminals
- . Supports 10/100 Base-T applications
- . Compact Design Fits Easily in WLAN Access
- . Plug-and-Play no configuration required
- . Internal power supply
- . Easy installation and maintenance
- . Save up to 83% power with Green Technology



| Specification | IV-JF24POE |
|--|--|
| Hardware Specification | |
| 10/100Mbps Copper Ports | 16 10/ 100Base-TX RJ-45 Auto-MDI/MDI-X ports |
| 1000Mbps Copper Ports | 2 10/100/1000Mbps RJ-45 Auto-MDI/MDI-X ports |
| SFP/mini-GBIC Slots | 2 1000Base-SX/LX, shared with Port-17~Port-18 |
| Switch Architecture | Store-and-Forward |
| Switch Fabric | 5.9Gbps / non-blocking |
| Switch Throughput | 6.547Mpps @64Bytes |
| Address Table | 8K entries |
| Share Data Buffer | 512Kbytes |
| Maximum Frame Size | 9K Bytes |
| Flow Control | Back pressure for Half-Duplex |
| | IEEE 802.3x Pause Frame for Full-Duplex |
| LED | Power, FAN Alarm |
| | Link/Activity (Green), PoE In-Use (Amber) |
| | 1000 LNK / ACT(Green), 10/100 LNK / ACT(Green) |
| Reset Button | < 5 sec: System reboot |
| | > 5 sec: Factory Default |
| Dimension (W x D x H) | 440 x 250 x 44 mm, 1U height |
| Weight | 4 kg |
| Power Requirement | 100~240V AC, 50-60 Hz |
| Power Consumption / Dissipation | 250 Watts maximum / 717 BTU/hr maximum |
| Power over Ethernet | |
| PoE Standard | IEEE 802.3af Power over Ethernet / PSE |
| PoE Power Supply Type | End-Span |

| | |
|----------------------------------|---|
| PoE Power Output | Per Port 52V DC, 350mA~560ma . Max. 15.4~30 Watts |
| Power Pin Assignment | 1/2(+), 3/6(-) |
| PoE Power Budget | 250 Watts |
| Max. number of Class 3 PD | 12 |
| Max. number of Class 4 PD | 6. Max. 30W |
| Layer 2 Function | |
| Management Interface | Console, Telnet, Web Browser, SSL, SNMPv1, v2c |
| Port Configuration | Port disable/enable, Auto-negotiation |
| | 10/100/1000Mbps full and half duplex mode selection |
| | Flow Control disable / enable |
| Bandwidth Control | Ingress / Egress Rate Control |
| | Allow to configure per 128Kbps |
| VLAN | IEEE 802.1Q Tag-based VLAN |
| | Port-based VLAN |
| | Q-in-Q tunneling |
| | Up to 255 VLANs groups, out of 4041 VLAN IDs |
| Link Aggregation | Static Port Trunk |
| | IEEE 802.3ad LACP (Link Aggregation Control Protocol) |
| | Supports 13 groups of 8-Port trunk support |
| Quality of Service | Traffic classification based on : |
| | Port priority, 802.1p priority |
| | DSCP/TOS field in IP Packet |
| IGMP Snooping | IGMP (v1/v2) Snooping, up to 256 multicast Groups |
| | IGMP Querier support |
| Port Mirror | RX / TX / Both |
| | 1-to-1 mirroring |
| Security | IEEE 802.1x Port-Based Network access control |
| | Port Security |
| | Static MAC, MAC Filtering |
| | MAC / IP Binding |
| Access Control List | IP-Based Layer 3 / Layer 4 ACL |
| | Up to 220 ACL rule entries |
| SNMP MIBs | RFC-1213 MIB-II |
| | RFC-2863 Interface MIB |
| | RFC-2665 EtherLike MIB |
| | RFC-1493 Bridge MIB |
| | RFC-2819 RMON MIB (Group 1, 2, 3,9) |
| | RFC-2737 Entity MIB, POWER-ETHERNET-MIB |

| Standards Conformance | | |
|--|-------------------|--|
| Regulation Compliance | | FCC Part 15 Class A, CE |
| Standards Compliance | | IEEE 802.3: 10Base-T |
| | | IEEE 802.3u: 100Base-TX |
| | | IEEE 802.3z: 1000Base-SX/LX |
| | | IEEE 802.3ab: 1000Base-T |
| | | IEEE 802.3x: Flow Control |
| | | IEEE 802.3ad: Port trunk with LACP |
| | | IEEE 802.1D: Spanning tree protocol |
| | | IEEE 802.1w: Rapid spanning tree protocol |
| | | IEEE 802.1p: Class of service |
| | | IEEE 802.1Q: VLAN Tagging |
| | | IEEE 802.1x: Port Authentication Network Control |
| | | IEEE 802.3af: Power over Ethernet |
| | Environmental | |
| Operating | Temperature | 32°F~122°F (0° C ~ 50° C) |
| | Relative Humidity | 20 ~ 95% |
| Storage | Temperature | 14°F~158°F (-10°C ~ 70° C) |
| | Relative Humidity | 20 ~ 95% (non-condensing) |
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