JetNet 4706f

Industrial 6-Port Managed PoE FiberSwitch

CE FC cULus LISTED RoHS

- Four Managed Power over Ethernet switch with 10/100 TX Power Over Ethernet ports and two redundant 100 FX uplink ports
- First dual mode PoE design to support both DC 48V and DC 24V
- Up to 30W per port for High Power solution
- PoE control and schedule by hour/weekly basis
- Auto-detect Powered Device status for device auto-reset (LPLD)
- Patented Rapid Super Ring technology (RSR), back up system recovery time less than 5ms
- SNMP v1/v2c/v3, IGMP snooping v1/v2/v3, RMON, LACP, VLAN, QoS
- Network security by IP/MAC address, SSL and SSH
- Built in hardware watchdog timer for system auto-reset
- Aluminum rugged enclosure with IP-31 grade protection

Overview

JetNet 4706f, an improved and strengthen manageable industrial PoE switch, is the successor of Best Choice of Computex Taipei Award winner, the JetNet 3705/3705f. JetNet 4706f features four 30-Watts 10 / 100 Power over Ethernet Ports with two redundant fiber ports, is an ideal model for distant networking such as IP surveillance, wireless access point…etc, where power source is not conveniently located. It supports intelligent PoE control and schedule management; each of the four PoE ports can be configured in a weekly schedule by hourly basis and PoE on/off can be remote controlled via SNMP and Web. JetNet 4706f is compliant to both IEEE 802.3af PoE as well as the pioneer standard of IEEE802.3at PoE Plus design (enhancement of 802.3af) for boosting PoE delivery up to 30W in each of the four PoE ports. JetNet 4706f can auto-detect 24V & 48V power input and deliver 24V & 48V PoE output allows more applications where 48VDC is not an option.

The two uplink ports of JetNet 4706f can be configured as Rapid Super Ring ports recovering network failure in less than 5ms, or RSTP ports integrating with other standard switches. Full network management features such as SNMP v3, QoS, IGMP v3, LACP port trunk are all supported. If the powered device fails to respond after a pre-configured time interval, JetNet 4706f will reboot the powered device and continue to monitor the powered device in every pre-configured time interval. Simply put, the unmanaged powered devices can be managed through JetNet 4706f. The award winning IP-31 rigid aluminum flat casing and wide operating temperature range both ensure a reliable operation in remote network site such as public transportation station or outdoor usage.

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Easy PoE Configuration

The four PoE ports can be configured to enable, disable, or schedule PoE function by the web interface. The Power mode provides Standard mode for IEEE 802.3af PD, Manual mode for user configuration of the power limit to IEEE 802.3af standard PD, or Ultra mode for user configuration to perform at the 30w power limitation. After configuration, the real-time status of PoE is shown in web interface.

Scheduling PoE Control

The concept from UPS power scheduling control is used for JetNet 4706f PoE power delivery. JetNet 4706f can follow the weekly schedule on an hourly basis to power on/off on any given PoE port. Each PoE port can apply to different schedules. This feature helps you to save time and money for power on/off maintenance.

A Non-Stop Transmission Network with PoE Function - R.S.R. & Dual Homing II

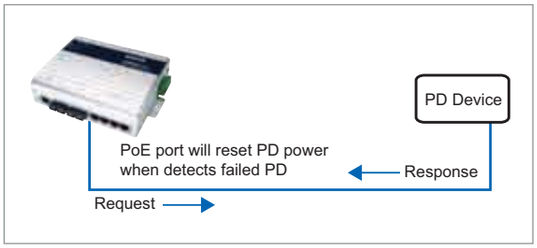
The two uplink 10/100TX or 100FX ports allow users to build Redundant Ring architecture with other High-End Switches by RSTP or Korenix Rapid Super Ring (R.S.R.). The RSR Topology brings back the back-up network in less than 5ms when the main path is disconnected. To integrate with Core Switches, JetNet 4706f provides Dual Homing II function which merges R.S.R. and RSTP protocol in one redundant port.

Quality of Service & Port Based VLAN

In video surveillance applications, JetNet 4706f supports Port-Based VLAN to limit a broadcast domain to specific members of a group by physically grouping the members together. In addition, JetNet 4706f supports QoS function to enhance transmission performance if needed. These features guarantee real time service by segmentation and prioritization.

Smart Powered Device Alive-Check

JetNet 4706f can be configured to run linking Powered Device alive check continuously to detect the real-time status. If the PD fails to respond, JetNet 4706f will turn-off and then turn-on the PD's power to trigger remote PD cold start process. The connected PD can be automatically managed and reboot by JetNet 4706f.



Versatile Management Interfaces

JetNet 4706f supports versatile management interfaces including HTTPS secured web console, SSH console, SNMP v1/v2c/v3, and RS232 CLI console. Real-time status such as port status, PoE status, PD status are all shown in all management consoles. JetNet 4706f supports quick installation by JetView, which is Korenix multi-platform utility for device discovery, IP setting, configuration back-up & restore, and firmware upgrade functions.

JETPoE

DC 24V & DC 48V Power Over Ethernet System

JetNet 4706f accepts dual-mode PoE by 24V or 48VDC. JetNet 4706f is able to detect different input power voltages and to perform powered devices detection, classification, powering and disconnection processes automatically. The dual-mode PoE powering is very useful for public transportation systems with DC24V power supply, or any applications without DC48V power source.

Redundant Power
DC 24~55V Range

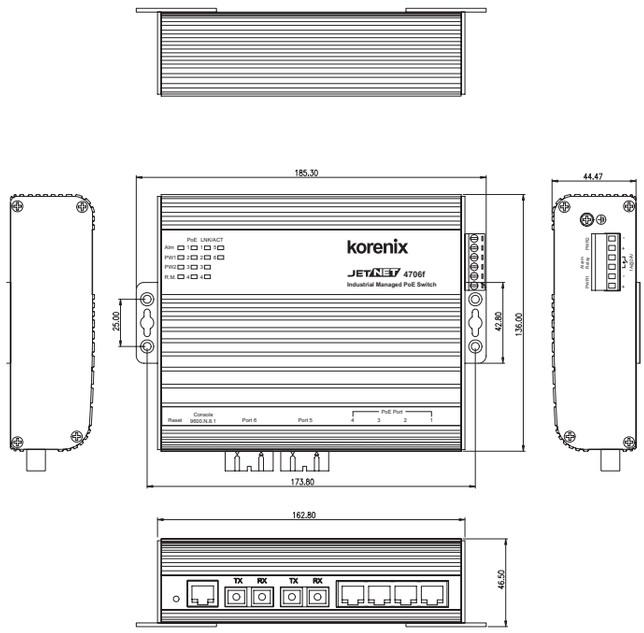
High Power Forwarding System

The IEEE802.3af Power over Ethernet standard specifies 15.4w power budget for PD system. However, 15.4w is not enough for some applications. JetNet 4706f follows two PoE mechanisms, IEEE802.3af and High Power pre-standard IEEE802.3at for 30W power budget. To recognize the PD classification ID, a powerful micro-processor is used in JetNet 4706f for power detection, classification, powering and disconnection processes. The JetNet 4706f can power PD with different PD classification ID. For the IEEE802.3af standard PD, the JetNet 4706f supports maximum 61.4W power forwarding ability with DC 48V power.

Redundant Power
DC 24~55V Range

Power Input DC 55V, PoE Output Up to 30W
Power Input DC 24V, PoE Output Up to 13.5W

Dimensions



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