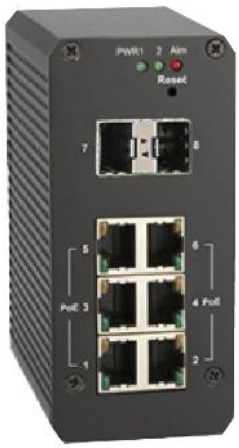

- 6-port 10/100/1000 PoE+ and 2 SFP ports
- Surge protection up to 6KV at both DC in and RJ45 ports
- Multiple event relay output for enhanced device alarm control
- Industrial heat dispersing design, -40~75°C wide operating temperature
- Support Jumbo frame 9.6KBytes
- Support auto-negotiation and auto-MDI/MDI-X
- Support IEEE 802.3az Energy Efficient Ethernet
- Web Based L2 powerful features
- Voice VLAN
- DIN-Rail mounting

Industrial 6 port 10/100/1000 PoE+ and 2 SFP Uplink Ports Web Smart Gigabit PoE Switch

Introduction

INEO-IGW0620P is a DIN Rail type industrial Gigabit managed Power over Ethernet Switch is designed with 6-port 10/100/1000M PoE+ ports and 2-port SFP for highly critical PoE applications such as real time IP video surveillance, WiMAX systems and Wireless APs. All of the 6 ports of the switch are compliant with both IEEE 802.3af PoE and IEEE 802.3at high power PoE standards and can deliver up to 15.4W and 30W power per port to enable the high-power requiring devices, such as Wireless APs, PTZ and dome network cameras, etc.

By supporting various connection types, including 10/100/1000Mbps RJ-45 copper or 100Mbps, 1000Mbps Fiber, the Gigabit uplink ports further enlarge the ring infrastructure.

With Industrial EMC certified design, including robust enclosure and -40~75℃ wide operating temperature range, INEO-IGW0620P ensures high performance of the surveillance network under vibrating and shock environments in rolling stocks, traffic control systems and other harsh surveillance applications.

Redundant Power Inputs & Embedded Protecting Circuit

INEO-IGW0620P provides two power inputs that can be connected simultaneously to live DC power source. If one of the power input fails, the other live source acts as a backup to automatically support the INEO-IGW0620P's power needs without compromising network service qualities. Also, it supports automatic protection switching and load balance, while its embedded protecting circuit can protect your system from over input/output voltages and rectifier malfunctions.

Exceptionally Smart

INEO-IGW0620P provides exceptionally smart Web management features, such as VLAN, QoS, LACP, LLDP…etc. The switch is designed for small or medium network environment to strengthen its network connection, such as prioritize mission-critical data, link aggregation to create fat traffic pipelines, bandwidth control to limit traffic load and Port Security to secure your network. All of

these features offer extra protection on the network edge. Best of all, the password-protected configuration interface can be accessed remotely.

Energy Efficient Ethernet

Ethernet is the most ubiquitous networking interface in the world; virtually all network traffic passes over multiple Ethernet links. However, the majority of Ethernet links spend much of the time idle, waiting between packets of data, but consuming power at a near constant level. Energy Efficient Ethernet (EEE) provides a mechanism and a standard for reducing this energy usage without reducing the vital function that these network interfaces perform.

Technical Specifications

Interface
- 10/100/1000 Base RJ45 PoE Ports : 6
- 1000BaseSX/LX Port : 2

System Performance
- Packet Buffer : 4Mbits
- MAC Address Table Size : 8K
- Switching Capacity : 16Gbps
- Forwarding Rate : 11.9Mpps

PoE Features
- IEEE 802.3 af/at
- Number of PoE Ports : 6
- Max. System Power Consumption : 8W
- Power Feeding Detecting Capability on PD
- PD Classification
- Power Management (per-port) :
  - Enable/Disable PoE Per Port
  - Overloading Protection

Industrial Standard
- Alarm Contact : 1 relay output with current carrying capacity of 1A @ 24 VDC
- Reverse Polarity Protection
- Casing : IP31, Aluminum Alloy case
- EMI : EN55022 Class A, IEC61000-3-2, IEC 61000-3-3 FCC Part 15 Class A; VCCI Class A
- EMS
  - EN61000-4-2 (ESD) Level 4, EN61000-4-3 (RS)
  - EN61000-4-4 (EFT), EN61000-4-5 (Surge) above Level 4
  - EN61000-4-6 (CS), EN61000-4-8, EN61000-4-11
- Shock : IEC60068-2-27
- Free Fall : IEC60068-2-32
- Vibration : IEC60068-2-6
- Installation : DIN-Rail mounting or Wall mount (Optional)

L2 Features
- Auto-negotiation
- Auto MDI/MDIX
- Flow Control (Duplex) :
  - 802.3x (Full)
  - Back-Pressure (Half)
- VLAN
  - VLAN Group : 32
  - Tagged Based
  - Port-based
- Link Aggregation :
  - IEEE 802.3ad with LACP
  - Static Trunk
  - Max. LACP Link Aggregation Group : 8
- IGMP Snooping v1/v2/
- Broadcast Storm Control
- LLDP (Link Layer Discovery Protocol)
- Jumbo Frame : 9K

QoS Features
- CoS
  - IEEE 802.1p
  - TCP/UDP Port Based
  - IP ToS precedence, IP DSCP

Security
- Management System User Name/Password Protection
- Management VLAN
- RADIUS (Authentication, Authorization, Accounting)

Management
- Web Based Management
- Firmware Upgrade via HTTP
- Configuration Download/Upload
- DHCP Client
- Port Mirroring : One to One or Many to One

Mechanical

- Input Voltage : 45~57 VDC, redundant inputs
- Power Input : 1 Removable 6-pin Terminal Block
- Dimension (HxWxD) : 120 x 55 x 118 mm
- Weight : 0.565 kg
- LED : PW1, PW2, ALARM, PoE Status and Link/Act, SFP7 & SFP8
- DIP Switch :
  - Switch 1~8 : Port 1~8 disconnect alarm
  - Switch 9 : Power input alarm
- Operating Temperature : -40 to 75°C
- Storage Temperature : -40 ~ 85°C
- Operating Humidity : 5～95% (non-condensing)

Standard

- IEEE 802.3 - 10BaseT
- IEEE 802.3u - 100BaseTX
- IEEE 802.3ab - 1000BaseT
- IEEE 802.3z 1000BaseSX/LX
- IEEE 802.3af Power over Ethernet (PoE)
- IEEE 802.3at Power over Ethernet (PoE+)
- IEEE 802.3x - Flow Control
- IEEE 802.1Q - VLAN
- IEEE 802.1p - Class of Service
- IEEE 802.3bc - LLDP
- IEEE 802.col) 1X - Access Control
- IEEE 802.3ad - Link Aggregation Control Protocol (LACP)
- IEEE 802.1X - Access Control