



- 16-port 10/100/1000Base-T and 2 Gigabit SFP
- 802.3az EEE (Energy Efficient Ethernet)
- Up to 4K IEEE 802.1Q Tag VLAN
- DHCP Server/Relay/Snooping
- Powerful L2 and L2+ features
- 13" Metal housing, Ethernet Ports on the Rear

16-Port 10/100/1000Base-T + 2 Gigabit SFP L2+ Full Management Switch

Introduction

INEO-GM1620 is 16-port 10/100/1000Base-T and 2 Gigabit SFP L2 Full Management Switch that is designed for small or medium network environment to strengthen its network connection. The switch is equipped with an internal AC to DC power module as system power. The added 2 SFP slots support 100M and Gigabit Fiber transceiver for long distance transmission. The switch embeds L2+ Full Management software engine to support SNMP, 802.1Q VLAN, QoS, RSTP, LACP, LLDP, 802.1X and Access Management...etc. The 4K VLAN, 8 physical queues, 13 groups link aggregation groups are superb functionality for all applications. With these features, the switch is ideal for the SMB network environment to strengthen its network connection.

2 Gigabit SFP Open Slots

INEO-GM1620 supports 2 additional SFP open slots to uplink to servers, storage, or other switching devices for long loop reach applications. The 2 SFP slots can support different types, speed and distance SFP transceivers. It also supports legacy 100M SFP transceiver. If the 100M fiber infrastructure is constructed and 100M bandwidth is enough, the 100M SFP transceiver can be an optional choice for the legacy 100M network environment.

High-Speed Networking and Jumbo Frames Support

INEO-GM1620 provides an excellent solution for expanding your Gigabit network. By Gigabit speed, this product provides high flexibility and high bandwidth connectivity to servers, workstations and other attached devices. It enables you to save time transferring large files. In addition, it also supports Jumbo Frames 9K to improve network utilization of large file transfers.

Full Layer 2+ Management Features

INEO-GM1620 includes full Layer 2+ Management features. The software set includes up to 4K 802.1Q VLAN and advanced Protocol VLAN, Private VLAN, MVR...advanced VLAN features. There are 8 physical queues Quality of Service, IPv4/v6 Multicast filtering, Rapid Spanning Tree protocol to avoid network loop, Multiple Spanning Tree Protocol to integrate VLAN and Spanning Tree, LACP, LLDP; sFlow, port mirroring, cable diagnostic and advanced Network Security features. It also provides Console CLI for out of band management and SNMP, Web GUI for in band Management.

Advanced Security

The switch supports advanced security features. For switch management, there are secured HTTPS and SSH, the login password, configuration packets are secured. The port binding allows to bind specific MAC address to the port, only the MAC has the privilege to access the network. The 802.1X port based Access control, every user should be authorized first when they want to access the network. AAA is the short of the Authentication, Authorization and Accounting with RADIUS,

TACAS+ server. Layer 2+ Access Control List allows user to define the access privilege based on IP, MAC, Port number...etc.

Technical Specifications

Standard

- IEEE 802.3 - 10BaseT
- IEEE 802.3u - 100BaseTX
- IEEE 802.ab 1000Base-T
- IEEE 802.3z 1000BaseSX/LX
- IEEE 802.3x Full-duplex and Flow Control
- IEEE 802.3az EEE(Energy Efficient Ethernet)
- IEEE 802.1Q – VLAN
- IEEE 802.3ad Link Aggregation Control Protocol
- IEEE 802.1ab Link Layer Discovery Protocol
- IEEE 802.1D Spanning Tree Protocol
- IEEE 802.1w Rapid Spanning Tree Protocol
- IEEE 802.1p Class of Service, Priority Protocols
- IEEE 802.1X Port-based Network Access Control

Interface

- RJ-45 : 16 port 10/100/1000Base, Auto-negotiation, Auto MDI/MDIX
- 100/1000Base-X SFP: 2 port

Performance

- Switch Fabric : 36Gbps
- MAC Address Table Size : 8K
- Forwarding Rate:
 - 10Mbps port - 0.01488Mpps
 - 100Mbps port - 0.1488Mpps
 - 1000Mbps port - 1.488Mpps
- Packet Buffer: 4Mb

Power Input

- 100~240VAC

Power Consumption

- 15W (Max.)

Operating Temperature

- 0~45°C

Storage Temperature

- -20~85°C

Humidity

- 5~90% (non-condensing)

L2 Features

- Management Interface: Web Browser, SNMP v1/v2c/v3
- IP Configuration: IP Setting, DHCP Client, NTP
- EEE: EEE Configuration for power reduction
- Port Configuration: Auto-Negotiation, Port Speed/Duplex control, Flow Control, Jumbo Frame Enable/Disable, Power Control
- Switch Security: System Password, Access Management, HTTPS
- IEEE 802.1x(NAS): Port-based access control
- Link Aggregation: Static & LACP, up to 9 Groups
- Spanning Tree: Rapid Spanning Tree Protocol and legacy STP
- Loop Protection: Loop protection to avoid network loop
- IGMP Snooping: IGMP Snooping V1/V2, IGMP Query
- LLDP: IEEE 802.1ab Link Layer Discovery Protocol
- MAC Address Table: Ageing Time, Static/Secure MAC Table
- VLAN: IEEE 802.1Q VLAN, up to 4K groups
- Private VLAN: Private VLAN and Port Isolation
- QoS: 8 Priority Queue, Strict & WRR scheduler
- Syslog: System log server mode
- Diagnostic: Cable Diagnostic, Ping, Mirroring
- Maintenance: Firmware Upgrade, Configuration Backup and Restore, Reload Default, Warm Reboot

LEDs Indicators

- Per Port LED: 10/100M Link/Act; 1000M Link/Act
- System: Power On

Dimension(HxWxD)

- 44 x 330 x 220 mm

Weight

- 2.0 kg

Certification

- CE, FCC Class A
- Safety : UL (UL60950-1), CB(IEC60950-1)