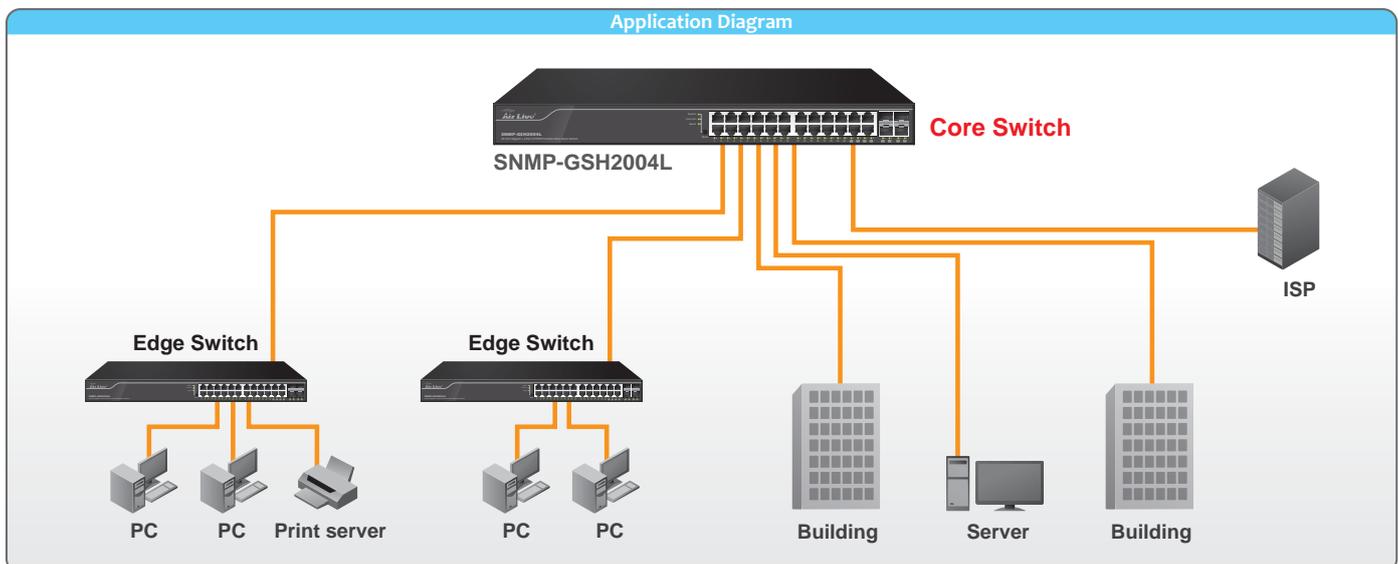![AirLive - Powered by OvisLink Corp.]

SNMP-GSH2004L

20-Port Gigabit + 4-Port UTP/SFP Combo Web Smart Switch

- 20-Port 10/100/1000Mbps + 4-port combo UTP / (100M/1000M)SFP
- Built-In Power Supply802.1Q Tag-based VLAN, Port-based VLAN, IGMP Snooping
- Web smart features provide easier manageability, security, QoS, and performance
- Supports SNMPv1/v2c, trap for management
- Supports broadcast storm filtering
- Supports (IEEE802.3az EEE Energy Efficient Ethernet standard) for green Ethernet application

Web Manage | SFP | 1000 Base-T | Tag VLAN | Bandwidth Control | IGMP Snooping | QoS | SNMP

The SNMP-GSH2004L is a 24-port Gigabit SNMP Web smart Switch with 20 10/100/1000Base-T ports and 4 x 10/100/1000Base-T or 100M/1000MSFP combo ports. This Switch can be used to build high-performance switched workgroup networks. The switch can be managed through Ethernet port using Web-based management unit, associated with SNMP agent. In addition, the switch features comprehensive and useful functions such as VLAN, Trunk/Aggregation, QoS , RSTP, IGMP Snooping, SNMP, Loop Detection, Broadcast Strom via the intelligent software. It is suitable for both metro- LAN and office applications.

Application Diagram

SNMP-GSH2004L

Core Switch

ISP

Edge Switch   Edge Switch

PC   PC   Print server   PC   PC   Building   Server   Building

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QoS with four priority queues

The switch supports not only Layer 2 802.1p Priority Queue control, but also supports programmable higher layer classification and prioritization to enable enhanced Quality of Service (QoS) support for real time applications based on information taken from Layer 2 to Layer 4, such as VoIP

Support 802.1d Spanning Tree and 802.1w Rapid Spanning Tree

For mission critical environments with multiple switches supporting STP, you can configure the switches with a redundant backup bridge path so transmission and reception of packets can be guaranteed in event of any fail-over switch on the network.

Broadcast/Multicast/unknown- unicast Storm Control

To limit too many broadcast/multicast//unknown- unicast flooding in the network, these storm control functions is used to restrict excess traffic. Threshold values are available to control the rate limit for each port. Packets are discarded if the count exceeds the configured upper threshold.

Specifications

Standards
- IEEE 802.3 10BaseT
- IEEE 802.3u 100BaseTX
- IEEE 802.3ab 1000BASE-T
- IEEE 802.3z 1000BASE-X
- IEEE 802.3x Flow Control
- IEEE 802.3az Energy Efficient Ethernet
- IEEE 802.1q VLAN (Port Based and Tag Based)
- IEEE 802.1p Class of Service, Priority Protocols
- IEEE 802.1d Spanning Tree Protocol
- IEEE 802.1w Rapid Spanning Tree Protocol

Hardware
- Number of Ports: 24
- MAC Address: 8K
- Buffer Memory: Embedded 512 K Bytes frame buffer
- Jumbo frames: 9KB
- Transmission Method: Store and Forward

Features

Trunking
- Static trunk (Link Aggregation)
- Up to 12 groups
- Up to 24 ports per group

Spanning Tree Protocol (STP)
- Standard Spanning Tree 802.1d
- Rapid Spanning Tree (RSTP) 802.1w

VLAN
- Support up to 16 VLANs simultaneously (out of 4096 VLAN IDs)
- 802.1Q tag-based VLAN
- Port-based VLAN
- Port Isolation
- Management VLAN

IGMP v1/v2 Snooping
- Supports 64 multicast groups (source-specific multicasting is also supported)

Port mirroring

Loop detection

Broadcast Storm protection

Quality of Service(QoS)
- 8 hardware queues
- Scheduling
- Strict priority

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- Queue assignment based on DSCP and class of service (802.1p/ CoS)

SNMP
- SNMP version1, 2c with support for traps

Reset Button

Filtering/Forwarding Rates
- 1000Mbps port - 1,488,000pps
- 100Mbps port - 148,800pps
- 10Mbps port - 14,880pps

Transmission Media
- 10BaseT Cat. 3, 4, 5, 6 UTP/STP
- 100BaseTX Cat. 5, 6 UTP/STP
- 1000BaseT Cat. 5, 6 UTP/STP
- 1000BASE-X SX/LX SFP

Led Indicators
- Per Port UTP: Link/Act, Speed
- Per Port SFP: Link/Act, Speed
- Per Unit: Power

Power Input
- 100-240 VAC 50~60 Hz, internal , universal

Power Consumption
- System=17.41W (Full loading)

Dimensions
- 442 (W)x 44 (H) x 170.3 (D) mm

Weight
- 2.4 Kg

Ordering Information:

AirLive SNMP-GSH2004L   20-Port Gigabit + 4-Port UTP/SFP Combo Web Smart Switch

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