ALLNET

ALLNET ALL-SG8420M

16 Port Gigabit Switch with 4 SFP Gbit Ports

- 16 Port Gigabit non-blocking Switch Architektur + 4x SFP Mini-GBIC Slots
- Support NWay Protocol (10/100/1000Mbps) and Duplex (half/full) auto-detection
- Support back-pressure (half duplex), flow control (IEEE 802.3x and IEEE 802.3az Energy Efficient Ethernet
- VLAN „64 Static / Port-Based / Tagged Based
- Link Aggregation (IEEE802.3ad LACP & Static Trunk)
- IGMP Snooping (v1/v2/v3)
- QoS (Port Based, Flow, 802.1p, IP-TOS, IP DSCP)
- Stormcontrol (Broadcast, Multicast, Unicast)
- Fanless Solution without noise
- 19" Rackmount or Desktop installation

Part No: 127210

16-port Gigabit with 4 Combo SFP Rack-mount Web Smart PoE Switch

Introduction
The new ALLNET ALL-SG8420M switch provides an ideal basis for small and medium workgroups with high network and data traffic and enables rapid data transmission in Netzwerk.Mit total of 16 backward-compatible Gigabit ports + 4x MiniGBIC Slots are the connected computers and servers
reliability and performance linked.

By The fanless design of the ALL-SG8420M is also ideal in office environments only, since no disturbing noises are generated. The switch is smart manageable and thus supports all necessary standards such as QoS, VLAN, storm control and IGMP Snooping. This ensures the highest performance and reliability in their network.

The robust metal housing is suitable for mounting in a 19 „cabinet, as well as for wall mounting.
4 Combo SFP Open Slots
ALL-SG8420M supports 4 Combo SFP open slots to uplink to servers, storage, or other switching devices for long loop reach applications.

High-Speed Networking and Jumbo Frames Support
ALL-SG8420M 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 10K to improve network utilization of large file transfers.

Exceptionally Smart
The ALL-SG8420M features management interface that can be managed through Web Browser and it provides Smart features that are ideal for network applications and basic monitoring tools to improve network efficiency. Through a Web-based interface, an administrator can set up VLANs to segregate traffic, QoS to prioritize mission-critical data, RSTP to avoid network loop, link aggregation to create fat traffic pipelines, bandwidth control to limit traffic load and IEEE 802.1X to secure port access on your network. All of these features offer extra protection on the network edge.

Element	Specification
Standards	Ethernet: IEEE 802.3 10BaseT, IEEE 802.3u 100BaseTX, IEEE 802.ab 1000BaseT, IEEE 802.3z 1000BaseSX/LX IEEE 802.3x Full-duplex and Flow Control IEEE 802.1Q VLAN IEEE 802.3ad Link Aggregation Control Protocol IEEE 802.1D Spanning Tree Protocol IEEE 802.1w Rapid Spanning Tree Protocol IEEE 802.1p Class of Service IEEE 802.1X Port-based Network Access Control
Features	Number of Ports: 16 10/100/1000M RJ-45 Ports Gigabit SFP: 4, Combo with 4 100/1000M Fiber Connectivity MAC Address: 8K Buffer Memory: 524,8 Kb Jumbo Frames: 10 KB Transmission Method: Store and Forward
Layer2 Funktionen	VLAN (64 Statis VLAN, Port-based, IEEE802.1q Tagged-based) Link Aggregation (IEEE802.3ad LACP, Static Trunk, 8x max Gruppen, 8 Ports/Gruppen, Traffic Load Balancing) Voice VLAN (OUI Mode) Link Aggregation (IEEE802.3ad LACP, Static Trunk, 8x max Gruppen, 8 Ports/Gruppen, Traffic Load Balancing) IGMP Snooping (256 Multicast Gruppen, IGMP v1/v2/v3 IEEE802.1ab Link Layer Discovery Protokoll (LLDP) Flow Control (Full-Duplex & Half-Duplex) Spanning Tree (IEEE802.1d STP & IEEE802.1w RSTP, Auto Edge Port, Self Loop Detection)
Filtering/Forwarding Rates	1000Mbps port – 1,488,000pps 100Mbps port - 148,800pps, 10Mbps port - 14,880pps
Transmission Media	10BaseT Cat. 3, 4, 5 UTP/STP, 100BaseTX Cat. 5 UTP/STP 1000BaseT Cat. 5E UTP/STP
Led Indicators	Per Port: Link/Act; Per Unit: Power
Power Input	100~240V/AC, 50~60Hz
Power Consumption	15 Watts (Max)

QoS Features:	8 Priority Queue Rate Limit (Port Based Ingress/Egress) Queue Scheduling (WRR, WFQ, Strict Priority, Hybrid) Class of Service (Port-based, Flow-based, 802.1p, IP Tos, IP DSCP)
Security:	Storm Control (Broadcast, Unknown Multicast, Unknown Unicast) HTTPS und SSL 2.0 Account Manager (Multiple Account, Multi-Level Security) Management VLAN, Port-Isolation DoS Prevention
IPv6:	IPv6 Application (HTTP/HTTPS, TELNET, SNMP, TFTP, PING, PHCPv6) IPv6 Host (Static Adress Length, Default Gateway, Neighbor Discovery (ND), Duplicate Adress Detection, ICMPv6)
Management:	Web-GUI (HTTP,HTTPS) Command Line Interface CLI (Console, RFC854) SNMP (v1/v2) File Managment (Firmware Upgrade, Configuration Download DHCP Client DNS Client Mirroring (Port-based (many to one) Syslog (RFC3164, LocalRAM, Local Flash, Remote Server) Time Setting (Local, SNTP) Cable Diagnostics (Cable Test) Port Utiliation Reset Button EEE (802.3az)
Measurements:	441x 131x 44mm
Weight:	3,2 kg
Environmental:	Operating Temp: 0 ~ 55 °C Humidity: 10% ~ 90% Storage Temp: -20 ~ 90 °C Storage Humidity: 5% ~ 90%
Certifications:	FCC Class A, CE