ALLNET
ALL-SG8428M

24 Port Gigabit Switch with 4 SFP Gbit Ports

- *24 Port Gigabit non-blocking Switch Architektur*
- *Supports NWay Protocoll for Networkspeed (10/100/1000Mbps) and Du-plexmodus (half/full) auto-detection*
- *Supports back-pressure (half duplex), flow control (IEEE 802.3x und 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*
- *(19"Rackmount) or Wall/Desk mounting possible*

Part.No.: 127211

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

Introduction:
The new ALLNET ALL-SG8428M 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-SG8428M 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-SG8428M 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-SG8428M 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-SG8428M 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	IEEE802.3 10BaseT IEEE802.3u 100BaseTX IEEE802.ab 1000BaseT IEEE802.3ad Link Aggregation IEEE802.1ab Link Discovery Protocol (LLDP) IEEE802.3x full-duplex operation and flow control IEEE 802.3az Energy Efficient Ethernet IEEE 802.1p class of service, priority protocols IEEE802.1Q VLAN Tagged Based IEEE802.1d Spanning Tree (STP) IEEE802.1w Spanning Tree (RSTP)
Features	24x RJ45 10/100/1000BaseT(X) 4x SFP miniGbics Slots MAC Address: 8K Buffer Memory: 524,8 Kb Jumbo Frames: 10 KB Transmission Method: Store and Forward
Layer2 Functions	Flow Control (Full-Duplex & Half-Duplex) Spanning Tree (IEEE802.1d STP & IEEE802.1w RSTP, Auto Edge Port, Self Loop Detection) VLAN (64 Statis VLAN, Port-based, IEEE802.1q Tagged-based) 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)
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
Housing:	19" Metallhousing, Mounting angle enclosed

Element	Specification
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 über DB-9 Seriell) 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)
Led Indicators:	Per Port: Link/Act; Per Unit: Power
Power Input:	100~240V/AC, 50~60Hz
Power Consumption:	15 Watts (Max)
Dimensions:	441 x 131 x 44 mm (H x W x D)
Weight:	4.7 kg
Operating Temperature:	0 ~ 55 °C
Storage Temperature:	-20 to 90°
Humidity:	10 to 90% RH (non-condensing)
Marks:	EMC/FCC, CE Class B; Safety/LVD EN60950-1