ALLNET ALL-SG8420M / 16 Port Gigabit + 4x SFP Switch

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Highlights:

- 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

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.

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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.

Technical Details:

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

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	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

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	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

Attributes

Attribute	Value
Anzahl Ports PoE/LAN:	0/16
Belüftung Switch:	Lüfterlos
Einsatzort Switch:	19"
LAN Geschwindigkeit:	1Gbit/s
Management:	smart managed (WebGui)
SFP Geschwindigkeit:	SFP 1GBit
SFP Port Anzahl:	4
Weight:	2,7 Kg
Warranty:	24.00 Months

Accessories

Part No.	Name
27947	ALLNET ALL4750 / Switch module SFP (mini Gbic), 1000Mbit, SX
59426	ALLNET ALL4751 / Switch module, GBIC mini module, 1000Mbit,
136828	ALLNET Switch Module ALL4761 SFP(Mini-GBIC), 1000Mbit
136829	ALLNET Switch Module ALL4762 SFP(Mini-GBIC), 1000Mbit
143548	ALLNET Switch Module ALL4756 SFP(Mini-GBIC), 1000Mbit, ZX/LC
114334	ALLNET Switch Modul ALL4752 SFP(mini Gbic), 1000Mbit, LHX/LC
59391	ALLNET ALL4753 / Switch module GBIC Mini module, 1000Mbit, L

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Part No.	Name
59393	ALLNET ALL4755 / Switch module SFP (mini Gbic), 1000Mbit, ZX
140675	ALLNET Switch Module ALL4765 SFP(Mini-GBIC), 1000Mbit
122504	ALLNET 19"Wand Winkel, 1HE, T54mm, Lichtgrau, SMW-Serie,
75932	Patchkabel RJ45, CAT5e 100Mhz, 0,25m grau, FTP(F/UTP), Synergy 21,
75939	Patchkabel RJ45, CAT5e 100Mhz, 0,5m grau, FTP(F/UTP), Synergy 21,
75973	Patchkabel RJ45, CAT5e 100Mhz, 5m grau, FTP(F/UTP), Synergy 21,
76029	Patchkabel RJ45, CAT5e 100Mhz, 0,25m grau, S-FTP(SF/UTP), Synergy 21,
76036	Patchkabel RJ45, CAT5e 100Mhz, 0,5m grau, S-FTP(SF/UTP), Synergy 21,
76117	Patchkabel RJ45, CAT6 250Mhz, 0,25m grau, S-STP(S/FTP), LSZH, Synergy 21,
76124	Patchkabel RJ45, CAT6 250Mhz, 0,5m grau, S-STP(S/FTP), LSZH, Synergy 21,
76133	Patchkabel RJ45, CAT6 250Mhz, 1,0m grau, S-STP(S/FTP), LSZH, Synergy 21,
76151	Patchkabel RJ45, CAT6 250Mhz, 2m grau, S-STP(S/FTP), LSZH, Synergy 21,
76160	Patchkabel RJ45, CAT6 250Mhz, 3m grau, S-STP(S/FTP), LSZH, Synergy 21,
76169	Patchkabel RJ45, CAT6 250Mhz, 5m grau, S-STP(S/FTP), LSZH, Synergy 21,
76178	Patchkabel RJ45, CAT6 250Mhz, 7,5m grau, S-STP(S/FTP), LSZH, Synergy 21,
76187	Patchkabel RJ45, CAT6 250Mhz, 10m grau, S-STP(S/FTP), LSZH, Synergy 21,
76196	Patchkabel RJ45, CAT6 250Mhz, 15m grau, S-STP(S/FTP), LSZH, Synergy 21,

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