



ALLNET ALL-SG8452M

48 Port 10/100/1000Mbps + 4SFP Smart Managed Ethernet Switch „FANLESS“

- *48 x 10/100/1000Mbps Auto MDI/MDI-X Ethernet port*
- *Switching Capacity up to 104G*
- *Store and forward mode operates*
- *Support Web-based Management*
- *Support QoS*
- *Port Mirroring*
- *Link Aggregation Protocol*
- *Support SNMP/RMON/TELENT*
- *QoS (Port Based, Flow, 802.1p, IP-TOS, IP DSCP)*
- *Four SFP Slots*

The ALL-SG8452M is a 48 Ports seamless network device. This device integrates 1000Mbps Gigabit Ethernet, 100Mbps Fast Ethernet and 10Mbps Ethernet network capabilities in a highly flexible package. With 48-10/100/1000Mbps Auto-Negotiation RJ45 ports, all UTP ports support Auto MDI/MDIX function. The Switch with a low-cost, easy-to-use, high performance upgrade your old network to a 1000Mbps Gigabit network. It is essential to helping solve network bottlenecks that frequently develop as more advanced computer user and newer applications continue to demand greater network resources.

Part No.: 130253



Technical Specifications

Chipset	RTL8393M+6*RTL8218B+RTL8214FC+3*RTL8231
Standards	IEEE 802.3 IEEE 802.3u IEEE 802.3ab IEEE802.3x IEEE802.3z IEEE802.3ad IEEE802.1P IEEE802.1Q
Network Media (Cable)	10BASE-T: UTP category 3,4,5 cable (maximum 100m) 100BASE-Tx: UTP category 5,5e cable (maximum 100m) 1000BASE-T: UTP category 5e,6 cable (maximum 100m)
Number of Ports	48 x 10/100/1000Mbps Auto-Negotiation ports 4 SFP port 1 x RJ45 Console Port
LED indicators	10/100Mbps: Orange 1000Mbps: Green SFP: Green Power: Green
Transfer Method	Store-and-Forward
Switching Capacity	104G
Vlan	Port based VLAN Protocol based VLAN
IGMP	IGMP Snooping V2,V3 Multicast group 256
STP	IEEE 802.1D STP IEEE 802.1W RSTP IEEE 802.1S MSTP
Security	Broadcast / Uncast / Multicast Storm Control IEEE 802.1x DHCP Snooping IP MAC Port
ACL	MAC-Based ACL MAC-Based ACE IPv4-Based ACL IPv4-Based ACE
MAC Address Setting	Static Mac Setting MAC Filtering Dynamic Address Learn/Setting Rma Setting
LLDP	LLDP Port Setting MED Network Policy
Management	System Status Ping Test Factory Reboot Switch Backup/Upgrade Manager Configuration Manager



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Standards:	<p>IEEE 802.3, 802.3u, 802.3ab, 802.3ae Ethernet IEEE 802.3az Energy Efficient Ethernet (EEE) IEEE 802.3x - Flow Control Protocol IEEE 802.1Q – VLAN IEEE 802.1p - Class of Service IEEE 802.1D - Spanning Tree IEEE 802.1w - Rapid Spanning Tree IEEE 802.1s - Multiple Spanning Tree IEEE 802.3ad - Link Aggregation Control Protocol (LACP) IEEE802.1v - Protocol VLAN IEEE 802.1AB - LLDP (Link Layer Discovery Protocol) IEEE 802.1X - Access Control</p>
Port	<p>Port Configuration Link Aggregation(static LACP) Port Mirroring Jumbo Frame Port Error Disabled Configuration</p>
System	<p>IP Configuration(IPV4 IPV6) User Configuration Time Settings(SNTP) Log Management SNMP Management(V2) RMON</p>
QoS Features	<p>WRR (Weighted Round Robin) Port based QoS IEEE 802.1p Class of Service DSCP-based QoS QoS basic mode QoS advanced mode (Policy based)</p>
MAC Address Learning	Automatically learning, automatically Update 16K Table
Frame Filtering and Forward Rate	<p>10Mbps: 14880pps, 100Mbps: 148800pps, 1000Mbps: 1488000pps</p>



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Bandwidth Control	Ingress Port Ingress VLAN Egress Port Egress Queue
Dimensions (W × D × H)	440*330*44mm
Environment	Operating Temperature: 0° - 40° Storage Temperature: -40° - 70° Operating Humidity: 10%~90% non-condensing Storage humidity: 5%~90% non-condensing
Power Supply	AC 100V~240V 50/60HZ (12V/4A)



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Management:	<p>Command Line Interface (CLI) Web Based Management Telnet Access Management Filtering: SNMP/ WEB/SSH/TELNET/ SNMP: v1/v2c/v3 RMON: RMON (1,2,3, & 9 groups) DHCP: Client/ Relay/ Option82/ Snooping Event/Error Log: Local Flash/ Remote Server Software Download/ Upgrade: HTTP Configuration Download / Upload sFlow Port Mirroring: One to One/ Many to One Remote Ping NTP/LLDP UPnP EEE Configuration Cable Diagnostics IPv6 Configuration</p>
Security:	<p>User Name / Password Protection User Privilege: up to 15 levels IEEE 802.1x: Port-based Access Control IP Source Guard MAC Based Authentication Web-based Authentication HTTPS SSHv2 RADIUS: Authentication/ Accounting TACACS+: Authentication ACL (Access control list)</p>
Housing:	19" Metallgehäuse, Montagewinkel beiliegend
Fan/Cooling:	Passive / FANLESS !!!
Maße:	Breite/Tiefe/Höhe: 440 x 331x 44 mm Gewicht: 4,97 kg
Operating Temperature & Humidity:	0~40° 5~90% (non condensing)
Marks:	CE, ROHS
Power Input	100-240VAC