



ALLNET ALL-SG8316M

Lüfterloser 16 Port Managed Gigabit Layer-2 Switch

- 16 Port Gigabit non-blocking Switch
- Lüfterlose Architektur
- Link Aggregation (IEEE802.3ad LACP & Static Trunk)
- IGMP Snooping (v1/v2/v3)
- Unterstützt NWay Protokoll für die Geschwindigkeit (10/100/1000Mbps) und Duplexmodus (half/full) auto-detection
- Wandmontage oder Winkel für 10" und 19" inklusive

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Der neue ALLNET ALL-SG8316M Switch stellt eine optimale Basis für kleine und mittlere Arbeitsgruppen mit hohem Netzwerk- und Datenaufkommen dar und ermöglicht eine schnelle Datenübertragung im Netzwerk. Mit insgesamt 16 abwärtskompatiblen Gigabit Ports sind die angebotenen Rechner und Server zuverlässig und leistungsstark miteinander verbunden.

Durch das lüfterlose Design ist der ALL-SG8316M auch ideal in Büroumgebung einsetzbar, da keinerlei störende Geräusche erzeugt werden. Der Switch ist smart managebar und unterstützt somit alle nötigen Standards wie QoS, VLAN, Storm-Control oder IGMP Snooping. Das sorgt für höchste Performance & Sicherheit in ihrem Netzwerk.

Das robuste Gehäuse aus Metall ist sowohl für die Montage im 10" / 19" Schrank, als auch zur Wandmontage geeignet.

Technische Daten:

Interface

Ports	16*10/100/1000 Mbps RJ-45
LED Indicators	1*Power LED (Green), 1*System LED (Green), 24*port LEDs (Link/Act: Green)
Memory	Flash: 16MB, DDRII: 128MB
Reset Button	Reset to default (put it at the front right side)
Power Switch	Power on/off switch
Power Input	Overload protection(by power module fuse)Internal power supply 12V/1.67A , AC Power input (100V~240V, 47 ~ 63Hz)



Performance

MAC Address Table Size	8K
Jumbo Frame	10K Bytes
Buffer Memory	524.8K Bytes
Switching Capability	14880pps at 10Mbps, 148810pps at 100Mbps, 1488095pps at 1Gbps with 64bytes packets
Switch Fabric	32Gbps
Forwarding Rate	35.7 million packets per second

Physical & Environmental

Temperature	Operating: 0°C ~ 50°C; Storage: -40°C ~ 70°C
Humidity	Operating: 10% ~ 95% RH, non-condensing
Dimensions (W x D x H)	216*133*42 mm
Certification	EMC/FCC, CE Class B; Safety/LVD EN60950-1
Mountable	10"/19" mountable, brackets included

Specifications

Standard Compliance	IEEE 802.3/802.3u/802.3ab IEEE 802.3x flow control IEEE 802.3az Energy Efficient Ethernet IEEE 802.1p class of service, priority protocols Full-duplex and half duplex operation with IEEE802.3x flow control and backpressure N-way auto-negotiation Store and forward
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L2 Features

Flow Control	802.3x (Full-duplex), Back-Pressure (Half-duplex)
Spanning Tree	IEEE 802.1D (STP), IEEE 802.1w (RSTP), Auto Edge Port, Self Loop Detection
VLAN	Static VLAN, Port-based, IEEE 802.1Q Tagged Based
Voice VLAN	OUI Mode
Link Aggregation	IEEE 802.3ad LACP, Static Trunk, Max. Group, Max. Ports/Group, Traffic Load Balancing
IGMP Snooping	Multicast Groups, IGMPv1/v2, IGMPv3 Basic (BISS), IGMP v2/v3 Querier, Immediate Leave
IEEE 802.1AB	IEEE 802.1AB Link Layer Discovery Protocol (LLDP)

QoS Features

Priority Queue	8 queues/port
Rate Limit	Port-based (Ingress/Egress)
Queue Scheduling	WRR, WFQ, Strict Priority, Hybrid (WRR+SP or WFQ+SP)
Class of Service	Port-based, Flow-based, 802.1p, IP TOS Precedence, IP DSCP

Security

Storm Control	Broadcast, Unknown Multicast, Unknown Unicast
Secured Web	HTTPS and SSL 2.0
Account Manager	Local Authentication, Multiple User Account, Multi-Level Security (Manager/Operator), Password Recovery Procedures
Additional	Management VLAN, Protected Port (Port Isolation), CPU Defense Engine, DoS Prevention
IEEE 802.1AB	IEEE 802.1AB Link Layer Discovery Protocol (LLDP)



Management

Command Line Interface (CLI)	Console, Telnet (RFC854)
Web-based Management	HTTP, HTTPS
SNMP	Static VLAN, Port-based, IEEE 802.1Q Tagged Based
MIBs	OUI Mode
File Management	IEEE 802.3ad LACP, Static Trunk, Max. Group, Max. Ports/Group, Traffic Load Balancing
Upload/Download	Multicast Groups, IGMPv1/v2, IGMPv3 Basic (BISS), IGMP v2/v3 Querier, Immediate Leave
DHCP	IEEE 802.1AB Link Layer Discovery Protocol (LLDP)
DNS	Client
Mirroring	Port-based (Many to One)
Syslog (RFC3164)	Local RAM, Local Flash, Remote Server
Time Setting	Local, SNTP
Cable Diagnostics	Cable Test
Additional	Port Utilization, Reset Button, EEE (802.3az)

Weboberfläche:

The screenshot shows the web management interface for the ALLNET ALL-SG8316M switch. The browser address bar shows the URL 192.168.1.1/cgi-bin/dispatcher.cgi?cmd=1. The interface includes a navigation menu on the left and a main content area displaying system information.

Information Name	Information Value
System Name	Edit Switch
System Location	Edit Default Location
System Contact	Edit Default Contact
MAC Address	00:08:54:71:8A:E5
IP Address	192.168.1.1
Subnet Mask	255.255.255.0
Gateway	192.168.1.254
Loader Version	1.0.0.48161
Loader Date	Jul 31 2014 - 10:05:06
Firmware Version	1.0
Firmware Date	Oct 14 2014 - 14:55:07
System Object ID	1.3.6.1.4.1.27282.3.2.10
System Up Time	0 days, 0 hours, 0 mins, 32 secs
PCBHW Version	switch



10" Anwendungsbeispiel:

