ALLNET Switch smart managed 32 Port SFP Gigabit / 12x LAN / 28x SFP / 4x SFP+ / "ALL-SG9440M-10G"

Highlights:

- Managed 10G Core-Switch von ALLNET
- Universell einsetzbarer Core-Switch
- 4 x SFP+ 10 Gig
- 28 x SFP 1 Gig
- 12 x RJ45 1 Gig Kupferports
- 28x 1G SFP Ports + 12x 10/100/1000M RJ45 Ports + 4x 10G SFP+ Ports
- Support L3 switching function, including VLAN, Port Aggregation, Port Mirroring, Port Isolation, Port Data Flow Control, Port Rate Limitation, Multicast, QoS, & Access Control List etc.
- Support Spanning Tree, for examples, STP, RSTP, MSTP etc
- Support senior management by WEB, CLI, TELNET, SNMP.
  Max support 4x 10G SFP+ ports
  Support enhanced management through WEB, CLI, TELNET, SNMP
  Support IPV4/ IPV6 forwarding.
- As an access or aggregation switch on campus networks or an access switch in data centers.
- Various Port Types and Flexible Port Expansion
  ALL-SG9440M-10G supports 28*1G SFP ports and 12*1000M RJ45 ports and 4x10G SFP+ ports. The users can flexibly adopt 1~4*10G ports expansion. The series also provides multiple gigabit ports (24 or 48 Base-T ports and Base-X ports), it can be used as an access or aggregation switch on campus networks or an access switch in data centers.
- Comprehensive QoS policies and security mechanisms
  ALL-SG9440M-10G supports strict ARP learning, which prevents ARP spoofing attacks that exhaust ARP entries. It also provides IP source guard to prevent DoS attacks caused by MAC address spoofing, IP address spoofing, and MAC/IP spoofing. The ALL-SG9440M-10GF supports DHCP snooping, which generates user binding entries based on users’ access interfaces, MAC addresses, IP addresses, IP settings, and other security features.
address leases, and VLAN IDs. DHCP snooping discards invalid packets that do not match any
binding entries, such as ARP spoofing packets and IP spoofing packets. This prevents hackers from
using ARP packets to initiate man-in-the-middle attacks on campus networks. The interface
connected to a DHCP server can be configured as a trusted interface to protect the system against
bogus DHCP server attacks.

Comprehensive reliability mechanisms
Besides STP, RSTP, and MSTP, the ALL-SG9440M-10G supports enhanced Ethernet reliability
technologies such as Ethernet Ring Protection Switching (ERPS), also referred to as G.8032. As the
latest ring network protocol, ERPS was developed based on traditional Ethernet MAC and bridging
functions and uses mature Ethernet OAM function and a ring automatic protection switching (R-APS)
mechanism to implement millisecond-level protection switching. ERPS supports various services and allows flexible
networking, helping customers build a network with lower OPEX and CAPEX.

Powerful support for services
ALL-SG9440M-10G supports IGMP v1/v2/v3 snooping, IGMP filter, IGMP fast leave, and IGMP proxy.
The ALL-SG9440M-10G supports wire-speed replication of multicast packets between VLANs, multicast
load balancing among member interfaces of a trunk, and controllable multicast, meeting
requirements for IPTV and other multicast services.

Easy deployment and maintenance free
Supports SNMP v1/v2/v3 and provides flexible methods for managing devices. Users can manage the
The ALL-SG9440M-10G using the CLI and Web NMS. Supports SSH2.0 and other encryption, which
makes management much more secured. Supports LLDP protocol for simpler management.

Ports
28x 1G SFP Ports + 12x 10/100/1000M RJ45 Ports + 4x 10G SFP+ Ports

Reset Key
1x Reset Key

Buffer
64Mb

Operating temperature
-10°~+45°C

Input voltage
AC: 110~240V/50~60Hz

Total power
60W

Dimension
440*240*44mm

Standards
IEEE802.3 10BASE-T; IEEE802.3i 10Base-T;
IEEE802.3u 100Base-TX;
IEEE802.3ab 1000Base-T;
IEEE802.3z 1000Base-LX/SX/CX;
IEEE802.3ae 10GBase-SR/LR;
IEEE802.3x

MAC
32K

RAM Buffer
SRAM Buffer 64Mb

VLAN
Support up to 4K VLAN;
Support port-based VLAN;
VLAN assignment based on MAC addresses,
protocols, and IP subnets;

Link aggregation
Max 14 aggregation groups, each supports 16 ports
Static aggregation and dynamic aggregation
rt Mirroring Many-to-one port mirroring
ort Isolation Support downstream ports isolated from each other, while opening communication with upstream ports
Flow Control Half Duplex Control Based On Back Pressure;
Full Duplex Based On PAUSE;
Flow Rate Limitation Rate limiting on packets sent and received by an interface
orm Control Prevents traffic on a LAN from being disrupted by a broadcast, multicast, or unicast storm on a port. Support port storm threshold setting
P Routing Static Routing
Multicast IGMP Snooping
MVR(Multicast VLAN Registration)
MLD Snooping(Multicast Listener Discovery Snooping)
DHCP DHCP Client;
DHCP Server;
DHCP Snooping;
DHCP Relay;
Broadcast Storm Support restraint for broadcast, multicast & unicast etc
Security Binding of the IP address, MAC address, interface AAA authentication, RADIUS authentication Port isolation 802.1x authentication SSH v2.0 User privilege management and password protection
QOS SP(Strict Priority)
WFQ (Weighted Fair Queuing)
Maintenance Upgrade Pack Upload;
WEB to restore default;
System Logs;
Ping;
Management Web
CLI
Telnet
SSH 2.0
SNMP
### Zubehör

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<tr>
<th>Art.-Nr.</th>
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<td>ALLNET Switch Modul ALL4757-INDU SFP+(Mini-GBIC), 10Gbit Multimode, SR/LC, Industrial -40/ +85 Grad,</td>
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<td>TP(RJ45) POE-Tester, at/af, Endspan/Midspan, standard, Synergy 21,</td>
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