

## ALLNET Switch smart managed Layer2 24 Port • 24x GbE • 4x SFP+ • 19" • Lüfterlos • ALL-SG8428M-10G

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### EAN CODE



### 1. ALLNET ALL-SG8428M-10G – Smart Managed Switch für maximale Performance

#### Highlights:

- 24x 10/100/1000 Mbps RJ45-Ports
- 4x 1G/10G SFP+ Slots für High-Speed-Uplinks
- Layer-2 Management-Funktionen für effiziente Netzwerkkontrolle
- Energieeffizientes, lüfterloses Design
- Desktop- und Rackmount-fähig (inkl. Montagezubehör)
- Robustes Metallgehäuse für langlebigen Einsatz

#### Produktbeschreibung

Erleben Sie höchste Netzwerkperformance mit dem **ALLNET ALL-SG8428M-10G**! Dieser kosteneffiziente **24-Port Gigabit Layer-2 Switch** mit **4 zusätzlichen SFP+ Slots** bietet eine leistungsstarke, lüfterlose Lösung für anspruchsvolle Business- und Industrieumgebungen. Ideal geeignet für den Einsatz auf dem Desktop oder zur nahtlosen Integration in 19"-Rack-Systeme.

#### Ihre Vorteile auf einen Blick



- **Maximale Flexibilität:** 24 Gigabit-Ports + 4 SFP+ MiniGBIC Slots für Glasfaseranbindungen.
- **Lüfterloses Design:** Flüsterleiser Betrieb – perfekt für geräuschempfindliche Arbeitsumgebungen.
- **Non-blocking Architektur:** Für verzögerungsfreie Datenübertragung und höchste Netzwerkgeschwindigkeit.
- **Einfache Installation:** Unterstützung des NWay-Protokolls zur automatischen Anpassung von Geschwindigkeit und Duplex-Modus.
- **Rackmount-fähig:** Ideal für professionelle Server- und Technikräume.

## Anwendungsbereiche

- Unternehmen mit hohen Anforderungen an Bandbreite und Zuverlässigkeit
- Geräuscharme Büroumgebungen
- Professionelle Rechenzentren und Netzwerkinfrastrukturen
- Industrieanwendungen dank robuster Bauweise

## Technical Details:

| <b>Hardware Specs</b> |                                                                       |
|-----------------------|-----------------------------------------------------------------------|
| Model No.             |                                                                       |
| Key Components        | <ul style="list-style-type: none"><li>•</li><li>•</li><li>•</li></ul> |
| I/O Ports             | <ul style="list-style-type: none"><li>•</li><li>•</li><li>•</li></ul> |



Art.-Nr.: 219585  
Herst.-Nr.: ALL-SG8428M-10G

LED Define

HW Feature



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|                    |                                                                                                                          |
|--------------------|--------------------------------------------------------------------------------------------------------------------------|
|                    | <ul style="list-style-type: none"><li></li><li></li><li></li><li></li><li></li><li></li><li></li><li></li><li></li></ul> |
| Data Transfer Rate | <ul style="list-style-type: none"><li></li><li></li><li></li><li></li></ul>                                              |
| System Monitor     | <ul style="list-style-type: none"><li></li><li></li><li></li><li></li><li></li></ul>                                     |



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|              |  |
|--------------|--|
|              |  |
| Power Input  |  |
| Reset Button |  |
| Dimension    |  |
| Fan Design   |  |
| Temperature  |  |
| Humidity     |  |

### Software Spec

|        |                    |            |  |
|--------|--------------------|------------|--|
| Status | System Information |            |  |
|        | Logging Message    |            |  |
|        | Port               | Statistics |  |

|                |                   |                                       |                                                                                                                                             |
|----------------|-------------------|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
|                |                   | Error Disabled                        |                                                                                                                                             |
|                |                   | Bandwidth Utilization                 |                                                                                                                                             |
|                | Link Aggregation  |                                       |                                                                                                                                             |
|                | MAC Address Table | 8K                                    |                                                                                                                                             |
| <b>Network</b> | IP Address        | Static / Dynamic                      |                                                                                                                                             |
|                | System Time       | SNTP / From Computer / Manual Time    |                                                                                                                                             |
| <b>Port</b>    | Port Setting      | State / Speed / Duplex / Flow Control |                                                                                                                                             |
|                | Error Disabled    | Recovery Interval                     | ACL / ARP Rate Limit / BPDU Guard / Broadcast Flood / DHCP Rate Limit / Port Security / Self Loop / Unicast Flood / Unknown Multicast Flood |
|                | Link Aggregation  | Group                                 |                                                                                                                                             |
|                |                   | Port Setting                          | State / Speed / Flow Control                                                                                                                |
|                |                   | LACP                                  |                                                                                                                                             |
|                | EEE               |                                       |                                                                                                                                             |
|                | Jumbo Frame       | 1518 – 10000 Byte                     |                                                                                                                                             |
|                |                   |                                       |                                                                                                                                             |
| <b>PoE</b>     | Global Setting    | Schedule Status                       |                                                                                                                                             |
|                | Priority Setting  |                                       |                                                                                                                                             |
|                | Power Limit       |                                       |                                                                                                                                             |
|                | Power Show        |                                       |                                                                                                                                             |
| <b>VLAN</b>    | VLAN              | Create VLAN                           |                                                                                                                                             |
|                |                   | VLAN Configuration                    |                                                                                                                                             |
|                |                   | Membership                            |                                                                                                                                             |
|                |                   | Port Setting                          |                                                                                                                                             |
|                | Voice VLAN        | Property                              |                                                                                                                                             |
|                |                   | Voice OUI                             |                                                                                                                                             |
|                | Protocol VLAN     | Protocol Group                        |                                                                                                                                             |
|                |                   | Group Binding                         |                                                                                                                                             |
|                | MAC VLAN          | MAC Group                             |                                                                                                                                             |
|                |                   | Group Binding                         |                                                                                                                                             |
|                | Surveillance VLAN | Property                              |                                                                                                                                             |
|                |                   | Surveillance OUI                      |                                                                                                                                             |
|                | GVRP              | Property                              |                                                                                                                                             |

|                          |                   |                                                    |                                                              |
|--------------------------|-------------------|----------------------------------------------------|--------------------------------------------------------------|
| <b>MAC Address Table</b> | Dynamic Address   | Membership                                         |                                                              |
|                          |                   | Statistics                                         |                                                              |
|                          |                   | Aging Time                                         |                                                              |
|                          |                   |                                                    |                                                              |
| <b>Spanning Tree</b>     | Static Address    |                                                    |                                                              |
|                          | Filtering Address |                                                    |                                                              |
|                          | Property          | State / Operation Mode / Path Cost / BPDU Handling | Operation Mode : STP/RSTP/MSTP                               |
|                          | Port Setting      |                                                    |                                                              |
|                          | MST Instance      |                                                    |                                                              |
| <b>Discovery</b>         | LLDP              | MST Port Setting                                   |                                                              |
|                          |                   | Statistics                                         |                                                              |
|                          |                   | Property                                           |                                                              |
|                          |                   | Port Setting                                       |                                                              |
|                          |                   | MED Network Policy                                 |                                                              |
|                          |                   | MED Port Setting                                   |                                                              |
|                          |                   | Packet View                                        |                                                              |
|                          |                   | Local Information                                  |                                                              |
|                          |                   | Neighbor                                           |                                                              |
| <b>Multicast</b>         | General           | Statistics                                         |                                                              |
|                          |                   | Property                                           | Unknown Multicast Action / Multicast Forward Method          |
|                          |                   | Group Address                                      |                                                              |
|                          |                   | Router Port                                        |                                                              |
|                          |                   | Forward All Table                                  |                                                              |
|                          |                   | Throttling                                         |                                                              |
|                          |                   | Filtering Profile                                  |                                                              |
|                          | IGMP Snooping     | Filtering Binding                                  |                                                              |
|                          |                   | Property                                           | State / Version / Report Suppression                         |
|                          |                   | Querier                                            |                                                              |
|                          | MLD Snooping      | Statistics                                         |                                                              |
|                          |                   | Property                                           | State / Version / Report Suppression                         |
|                          | MVR               | Statistics                                         |                                                              |
|                          |                   | Property                                           | State / VLAN / Mode / Group Start / Group Count / Query Time |

|          |                        |                      |                                                                                    |
|----------|------------------------|----------------------|------------------------------------------------------------------------------------|
| Security |                        | Port Setting         |                                                                                    |
|          |                        | Group Address        |                                                                                    |
|          | RADIUS                 |                      |                                                                                    |
|          | TACACS+                |                      |                                                                                    |
|          | AAA                    | Method List          |                                                                                    |
|          |                        | Login Authentication | Console / Telnet / SSH / HTTP / HTTPS                                              |
|          | Management Access      | Management VLAN      |                                                                                    |
|          |                        | Management Service   | Telnet / SSH / HTTP / HTTPS / SNMP / Session Timeout                               |
|          |                        | Management ACL       |                                                                                    |
|          |                        | Management ACE       |                                                                                    |
|          | Authentication Manager | Property             |                                                                                    |
|          |                        | Port Setting         |                                                                                    |
|          |                        | Sessions             |                                                                                    |
|          | Port Security          |                      |                                                                                    |
|          | Protected Port         |                      |                                                                                    |
|          | Storm Control          |                      | State / Broadcast / Unknown Multicast / Unknown Unicast / Action (Drop / Shutdown) |
|          | DoS                    | Property             |                                                                                    |
|          |                        | Port Setting         |                                                                                    |
|          | Dynamic ARP Inspection | Property             |                                                                                    |
|          |                        | Statistics           |                                                                                    |
|          | DHCP Snooping          | Property             |                                                                                    |
|          |                        | Statistics           |                                                                                    |
|          |                        | Option82 Property    |                                                                                    |
|          |                        | Option82 Circuit ID  |                                                                                    |
|          | IP Source Guard        | Port Setting         |                                                                                    |
|          |                        | IMPV Binding         |                                                                                    |
|          |                        | Save Database        |                                                                                    |
| ACL      | MAC ACL                |                      |                                                                                    |
|          | MAC ACE                |                      |                                                                                    |
|          | IPv4 ACL               |                      |                                                                                    |
|          | IPv4 ACE               |                      |                                                                                    |
|          |                        |                      |                                                                                    |



|                    |               |                       |                                                                 |
|--------------------|---------------|-----------------------|-----------------------------------------------------------------|
|                    | IPv6 ACL      |                       |                                                                 |
|                    | IPv6 ACE      |                       |                                                                 |
|                    | ACL Binding   |                       |                                                                 |
| <b>QoS</b>         | General       | Property              | CoS / DSCP / CoS-DSCP / IP Precedence                           |
|                    |               | Queue Scheduling      | Strict Priority / WRR                                           |
|                    |               | CoS Mapping           |                                                                 |
|                    |               | DSCP Mapping          |                                                                 |
|                    |               | IP Precedence Mapping |                                                                 |
|                    | Rate Limit    | Ingress / Egress Port |                                                                 |
|                    |               | Egress Queue          |                                                                 |
| <b>Diagnostics</b> | Logging       | Property              | Console / RAM / Flash                                           |
|                    |               | Remote Server         |                                                                 |
|                    | Mirroring     |                       |                                                                 |
|                    | Ping          |                       |                                                                 |
|                    | Traceroute    |                       |                                                                 |
|                    | Copper Test   |                       |                                                                 |
|                    | Fiber Module  |                       |                                                                 |
|                    | UDLD          | Property              | Message Time                                                    |
|                    |               | Neighbor              |                                                                 |
| <b>Management</b>  | User Account  |                       |                                                                 |
|                    | Firmware      | Upgrade / Backup      | Action (Upgrade / Backup) / Method (TFTP / HTTP)                |
|                    |               | Active Image          | Active Image / Backup Image                                     |
|                    | Configuration | Upgrade / Backup      | Action (Upgrade / Backup) / Method (TFTP / HTTP)                |
|                    |               | Save Configuration    | Source File / Destination File, Restore Factory Default         |
|                    | SNMP          | View                  |                                                                 |
|                    |               | Group                 |                                                                 |
|                    |               | Community             |                                                                 |
|                    |               | User                  |                                                                 |
|                    |               | Engine ID             |                                                                 |
|                    |               | Trap Event            | Authentication Failure / Link UP_Down / Cold Start / Warm Start |

|      |            |              |  |
|------|------------|--------------|--|
|      |            | Notification |  |
| RMON | Statistics |              |  |
|      | History    |              |  |
|      | Event      |              |  |
|      | Alarm      |              |  |

## Merkmale

| Merkmal               | Wert                   |
|-----------------------|------------------------|
| Anzahl Ports PoE/LAN: | 0/24                   |
| Belüftung Switch:     | Lüfterlos              |
| Einsatzort Switch:    | 19"                    |
| LAN Geschwindigkeit:  | 1Gbit/s                |
| Management:           | smart managed (WebGui) |
| SFP Geschwindigkeit:  | SFP+ 10Gbit;           |
| Gewicht:              | 2.9 Kg                 |
| Garantie:             | 24.00 Monate           |

## Zubehör

| Art.-Nr. | Name                                                                                                                     |
|----------|--------------------------------------------------------------------------------------------------------------------------|
| 101189   | ALLNET Switch Modul ALL4757 SFP+(Mini-GBIC), 10Gbit Multimode, SR/LC,                                                    |
| 149613   | ALLNET Switch Modul ALL4757-INDU SFP+(Mini-GBIC), 10Gbit Multimode, SR/LC, Industrial -40/+85 Grad,                      |
| 101190   | ALLNET Switch Modul ALL4758 SFP+(Mini-GBIC), 10Gbit Singlemode, LR/LC, bis 20Km                                          |
| 149616   | ALLNET Switch Modul ALL4758-INDU SFP+(Mini-GBIC), 10Gbit Singlemode, LR/LC, Industrial -40 -+85Grad, DDM, bis 20Km       |
| 128848   | ALLNET Switch Modul ALL4760 SFP+(Mini-GBIC), 10Gbit Multimode, bis 220m, LRM/LC, *nur für Multimode 50/125u Kabel OM1-4* |
| 146282   | ALLNET Switch Modul ALL4767 SFP+(Mini-GBIC), 10Gbit, RJ45(TP), uncodiert                                                 |
| 27947    | ALLNET Switch Modul ALL4750 SFP(Mini-GBIC), 1000Mbit, SX/LC,                                                             |
| 128033   | ALLNET Switch Modul ALL4750-INDU SFP(Mini-GBIC), 1000Mbit, SX/LC, Industrial -40/+85 Grad,                               |



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| Art.-Nr. | Name                                                                                                                           |
|----------|--------------------------------------------------------------------------------------------------------------------------------|
| 59426    | ALLNET Switch Modul ALL4751 SFP(Mini-GBIC), 1000Mbit, LX/LC, 10Km "SINGLE-MODE"                                                |
| 128034   | ALLNET Switch Modul ALL4751-INDU SFP(Mini-GBIC), 1000Mbit, LX/LC, 10Km, Industrial, -40/+85 Grad,                              |
| 114334   | ALLNET Switch Modul ALL4752 SFP(Mini-GBIC), 1000Mbit, LX/LC, 20KM,                                                             |
| 166757   | ALLNET Switch Modul ALL4752-INDU SFP(Mini-GBIC), 1000Mbit, LX/LC, 20KM, Industrial, -40/+85 Grad,                              |
| 59391    | ALLNET Switch Modul ALL4753 SFP(Mini-GBIC), 1000Mbit, EX/LC, 40KM                                                              |
| 59393    | ALLNET Switch Modul ALL4755 SFP(Mini-GBIC), 1000Mbit, ZX/LC, 80KM                                                              |
| 136828   | ALLNET Switch Modul ALL4761 SFP(Mini-GBIC), 1000Mbit, WDM(Bidi)/LC, Tx1310nm/Rx1490nm, 9u, 20Km,                               |
| 193149   | ALLNET Switch Modul ALL4761-INDU SFP(Mini-GBIC), 1000Mbit, WDM(Bidi)/LC, Tx1310nm/Rx1490nm, 9u, 20Km, Industrial -40/+85 Grad, |
| 136829   | ALLNET Switch Modul ALL4762 SFP(Mini-GBIC), 1000Mbit, WDM(Bidi)/LC, Tx1490nm/Rx1310nm, 9u, 20Km,                               |
| 193150   | ALLNET Switch Modul ALL4762-INDU SFP(Mini-GBIC), 1000Mbit, WDM(Bidi)/LC, Tx1490nm/Rx1310nm, 9u, 20Km, Industrial -40/+85 Grad, |
| 140675   | ALLNET Switch Modul ALL4765 SFP(Mini-GBIC), 1000Mbit, RJ45(TP),                                                                |
| 143548   | ALLNET Switch Modul ALL4756 SFP(Mini-GBIC), 1000Mbit, EZX/LC,120KM                                                             |
| 208404   | ALLNET Switch Modul ALL4765-INDU SFP(Mini-GBIC), 1000Mbit, RJ45(TP), Industrial -40/+85 Grad,                                  |
| 75932    | Patchkabel RJ45 FTP(F/UTP) 0,25m grau, CAT5e, Synergy 21,                                                                      |
| 75939    | Patchkabel RJ45 FTP(F/UTP) 0,5m grau, CAT5e, Synergy 21,                                                                       |
| 75946    | Patchkabel RJ45 FTP(F/UTP) 1,0m grau, CAT5e, Synergy 21,                                                                       |
| 75959    | Patchkabel RJ45 FTP(F/UTP) 2m grau, CAT5e, Synergy 21,                                                                         |
| 75966    | Patchkabel RJ45 FTP(F/UTP) 3m grau, CAT5e, Synergy 21,                                                                         |
| 75973    | Patchkabel RJ45 FTP(F/UTP) 5m grau, CAT5e, Synergy 21,                                                                         |
| 75979    | Patchkabel RJ45 FTP(F/UTP) 7,5m grau, CAT5e, Synergy 21,                                                                       |
| 75986    | Patchkabel RJ45 FTP(F/UTP) 10m grau, CAT5e, Synergy 21,                                                                        |
| 76091    | Patchkabel RJ45, 15m grau, CAT5e, S-FTP(SF/UTP), Synergy 21,                                                                   |
| 76029    | Patchkabel RJ45, 0,25m grau, CAT5e, S-FTP(SF/UTP), Synergy 21,                                                                 |
| 76036    | Patchkabel RJ45, 0,5m grau, CAT5e, S-FTP(SF/UTP), Synergy 21,                                                                  |
| 76043    | Patchkabel RJ45, 1,0m grau, CAT5e, S-FTP(SF/UTP), Synergy 21,                                                                  |
| 76056    | Patchkabel RJ45, 2m grau, CAT5e, S-FTP(SF/UTP), Synergy 21,                                                                    |
| 76063    | Patchkabel RJ45, 3m grau, CAT5e, S-FTP(SF/UTP), Synergy 21,                                                                    |

| Art.-Nr. | Name                                                                                                             |
|----------|------------------------------------------------------------------------------------------------------------------|
| 76070    | Patchkabel RJ45, 5m grau, CAT5e, S-FTP(SF/UTP), Synergy 21,                                                      |
| 76077    | Patchkabel RJ45, 7,5m grau, CAT5e, S-FTP(SF/UTP), Synergy 21,                                                    |
| 76084    | Patchkabel RJ45, 10m grau, CAT5e, 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,                                          |
| 140955   | TP(RJ45) POE-Tester, at/af, Endspan/Midspan, standard, Synergy 21,                                               |
| 141255   | Netzkabel 230V Schutzkontakt CEE7(Stecker)->Kaltgeräte IEC-C13(Buchse), 1m, Black IEC Lock                       |
| 141254   | Netzkabel 230V Schutzkontakt CEE7(Stecker)->Kaltgeräte IEC-C13(Buchse), 2m, Black IEC Lock                       |
| 141256   | Netzkabel 230V Schutzkontakt CEE7(Stecker)->Kaltgeräte IEC-C13(Buchse), 3m, Black IEC Lock                       |
| 191685   | ALLNET Switch Modul ALL4768 SFP+(Mini-GBIC), 10Gbit Singlemode, ER/LC, bis 40Km                                  |
| 191686   | ALLNET Switch Modul ALL4769 SFP+(Mini-GBIC), 10Gbit Singlemode, ZR/LC, bis 80Km                                  |
| 188424   | CyberPower USV, OR-Serie, 600VA/360W, Line-Interactive, LCD, 19"/1HE, USB/RS232, IEC C13 Kaltgeräte,             |
| 188433   | CyberPower USV, OR-Serie, 650VA/360W, Line-Interactive, LCD, 19"/1HE, USB/RS232, CEE7-Schutzkontakt,             |
| 188435   | CyberPower USV, OR-Serie, 1000VA/600W, Line-Interactive, LCD, 19"/1HE, USB/RS232, IEC C13 Kaltgeräte             |
| 188439   | CyberPower USV, OR-Serie, 1500VA/900W, Line-Interactive, LCD, 19"/1HE, USB/RS232, IEC C13 Kaltgeräte             |
| 175260   | GBIC-Mini, SFP+, 10GB, TP(RJ45), 10GBASE-T, kompatibel für Intel, Intel-Code                                     |
| 98686    | ALLNET MSR Zentrale "ALL3500" inkl. 4 Sensor Ports für IP Gebäude Automation                                     |
| 134571   | ALLNET MSR Zentrale "ALL3419" inkl. 3 Sensor Ports & WLAN & Temperaturfühler "ALL3006" für IP Gebäude Automation |
| 206211   | ALLNET MSR Zentrale "ALL5000v2" inkl. 16 Sensor Ports & 19" für IP Gebäude Automation                            |



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|----------|--------------------------------------------------------------------------------------------------|
| 192187   | ALLNET PoE RGBW-Lampe mit 1x MSR Sensorport / LAN / WIFI *ALL-PoE-RGBW-LAMP*                     |
| 234699   | ALLNET Switch full managed Layer2+ zbh. Ersatzwinkel für ALL-SGxx 18/26/28/54 - Kurze Ausführung |