

# ALLNET ALL-SG8524PM-10G / 24 Port PoE Gigabit Kupfer + 4x SF



## EAN CODE



## Highlights:

- Wire speed forward, intelligent recognition
- Integrated High-Performance Cortex-A9 processor.
- 24x 10/100/1000Mbps Ports + 4x 10G SFP+ Port
- Internal 400W PoE Budget adjustable by WebGUI
- Switching Capacity 128Gbps
- Supports PoE power up to 30W for each PoE port, 400W for all PoE ports

ALL-SG8524PM-10G is a new generation designed for high security and high performance network the second layer switch. Provides twenty-four 10/100/1000Mbps self-adaption RJ45 port, plus four 10 gigabit --1000/10000Mbps SFP+ optical port, it can be used to link bandwidth higher upstream equipment. Using store-and-forward technology, combined with dynamic memory allocation, ensure the bandwidth effective allocation to each port. Special design a flow control, it can avoid packet loss effectively when nodes in the sending and receiving data. . Built-in high reliability, design for wide voltage input application power supply, even if the voltage is not stable of power grid, also can guarantee the equipment can work normally.

ALL-SG8524PM-10G 24 ports have PoE power supply function, support IEEE802.3at standard, 802.3af downward compatibility, power supply equipment for Ethernet, can automatically detect identification standard of electrical equipment, and through the cable for the power supply.

Model	ALL-SG8524PM-10G
Chipset	BCM53346+B50282+3*PD69208M+PD69200
Standards	IEEE 802.3i



		IEEE 802.3u IEEE802.3ab IEEE802.3x IEEE802.3az IEEE802.3ae IEEE802.3af IEEE802.3at IEEE802.1x
Number of Ports		24 x 10/100/1000Mbps ports  4 x 1000/10000 Mbps SFP+ ports 1x Console port
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) 1000Base-X:MMF,SMF 10GBase-X :MMF,SMF
Transfer Method		Store-and-Forward
MAC Address Table		16K
Switching Capacity		128Gbps
Packet Forwarding Rate		95.232Mpps
Packet Buffer		1.5MBytes
Jumbo Frame		12KBytes
PoE Ports(RJ45)		24x PoE ports compliant with 802.3at/af
Power Pin Assignment		1/2(+),3/6(-)
PoE Budget		320W@100~160VAC,50/60HZ  400W@200~240VAC,50/60HZ  (It's adjustable by Web page)
Indicators	Per Device	Power
	Per Port	Link/Activity, PoE
Power Supply		100~160VAC,50/60HZ,370W
		200~240VAC,50/60HZ,450W
Power Consumption		Maximum(PoE on): 485W (220V/50Hz)
Dimensions (WxDxH)		440x330x44.5mm (19" metal case)
Environment		Operating Temperature: 0°C~40°C  Storage Temperature: -40°C~70°C  Operating Humidity: 10%~90% non-condensing  Storage humidity: 5%~90% non-



	condensing
Management	ØSupport Telnet, SSH remote management ØSupport the SNMP ØSupport cluster with cluster network management
Port features	ØSupport port isolation ØSupport port loop detection ØSupport the ULDP ØSupport LLDP ØSupport the Port Channel configuration ØSupport LED shut - off ØSupport Jumbo packet
VLAN & MAC Adress	ØSupport for MAC/strategy/port/protocol/IP subnet VLAN ØSupport Dot1q tunnel ØSupport GVRP ØVLAN - translation ØSupportsupport MAC address automatic learning and aging ØSupport the source MAC address filtering
STP	ØSupport STP
QoS	ØSupport WRR, WDRR queue scheduling algorithm ØSupport flexible QinQ operation
Three layer forward and routing protocols	ØSupport three layer forward ØSupport the ARP configuration ØSupport the static routing, OSPF, RIP configuration ØSupport IPv4 and IPv6 routing
DHCP	ØSupport the DHCP relay ØSupport the DHCP Server ØSupport DHCP Snooping
Multicast protocol	ØSupport DCSCM configuration ØSupport IGMP Snooping ØSupport IPv6 multicast, MLD configuration
Safety features	ØSupport 802.1 x, the Radius authentication ØSupport for AM ØSupports IPv6 security RA configuration ØSupport the MAB configuration ØSupport SSL ØSupport for protection against Dos attacks ØSupport ACL
PoE	ØSupportPoE Management
Reliability	ØSupport MRRP ØSupport ULPP
The network time	ØSupport SNTP ØSupport the NTP
Traffic monitoring	ØSupport port mirror ØSupport the sFlow

## Attributes

Attribute	Value
Anzahl Ports PoE/LAN:	24/0
Belüftung Switch:	Mit Lüfter
Einsatzort Switch:	19"
LAN Geschwindigkeit:	1Gbit/s
Management:	smart managed (WebGui)
PoE Budget:	<500 Watt
PoE Port Leistung:	30W at
SFP Geschwindigkeit:	SFP+ 10Gbit
Weight:	6.5 Kg
Warranty:	24 Months

## Additional Images



## Accessories

Part No.	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,



Part No.	Name
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
128848	ALLNET Switch Modul ALL4760 SFP+(Mini-GBIC), 10Gbit Singlemode, bis 220m, LRM/LC,
146282	ALLNET Switch Modul ALL4767 SFP+(Mini-GBIC), 10Gbit, RJ45(TP), uncodiert
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,
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,
76091	Patchkabel RJ45, 15m grau, CAT5e, S-FTP(SF/UTP), Synergy 21,
76117	Patchkabel RJ45, CAT6 250Mhz, 0,25m grau, S-STP(S/FTP), Synergy 21,
76124	Patchkabel RJ45, CAT6 250Mhz, 0,5m grau, S-STP(S/FTP), Synergy 21,
76133	Patchkabel RJ45, CAT6 250Mhz, 1,0m grau, S-STP(S/FTP), Synergy 21,
76151	Patchkabel RJ45, CAT6 250Mhz, 2m grau, S-STP(S/FTP), Synergy 21,
76160	Patchkabel RJ45, CAT6 250Mhz, 3m grau, S-STP(S/FTP), Synergy 21,
76169	Patchkabel RJ45, CAT6 250Mhz, 5m grau, S-STP(S/FTP), Synergy 21,
76178	Patchkabel RJ45, CAT6 250Mhz, 7,5m grau, S-STP(S/FTP), Synergy 21,
76187	Patchkabel RJ45, CAT6 250Mhz, 10m grau, S-STP(S/FTP), Synergy 21,
76196	Patchkabel RJ45, CAT6 250Mhz, 15m grau, S-STP(S/FTP), Synergy 21,



Part No.: 152327  
Vendor Part No.: ALL-SG8524PM-10G

Part No.	Name
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, LR/LC, bis 40Km
191686	ALLNET Switch Modul ALL4769 SFP+(Mini-GBIC), 10Gbit Singlemode, LR/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 oder Uncodierte,