

ALLNET Switch full managed 16 Port Gigabit 280W / 16x PoE+



EAN CODE



Cost-effective 18 port full managed Gigabit Layer-2 switch +2x SFP MiniGbic slots without fan for desktop and 19" rack installation.

ALLNET Switch full managed 16 Port Gigabit 280W / 16x PoE+ / 2x SFP / Fanless / 19" / "ALL-SG8618PM"

Highlights:

- 16 port Gigabit Layer2+ switch architecture
- Supports NWay protocol for speed (10/100/1000Mbps) and duplex mode (half/full) auto-detection
- Supports back-pressure (half duplex), flow control (IEEE 802.3x and IEEE 802.3az Energy Efficient Ethernet)
- VLAN 4K Static / Port-Based / Tagged Based / Protocol / Voice VLAN / 802.1ad Q-in-Q
- Link Aggregation static link / LACP / Algorithm MAC based or IP based
- IGMP Snooping 256 groups IGMP v1/v2/v3, Fast Leave
- QoS (QoS>QoS multi-label, queue config, QoS mapping)
- Stormcontrol
- Total fanless, no more annoying noise... max. 280W budget
- 19 "inch angle or wall/table mounting possible

The new ALLNET ALL-SG8618PM switch is an optimal basis for small and medium workgroups with high network and data traffic and enables fast data transmission in the network. With a total of 16 downward compatible Gigabit

PoE ports, the connected PoE end devices are reliably and powerfully interconnected.

Due to the fanless design, the ALL-SG8618PM is also ideal for use in office environments, as no disturbing noise is generated. The switch is Layer 2+ fully managed and supports all necessary standards like QoS, VLAN, Spanning Tree, IGMP Snooping up to Link Layer Discovery Protocol. This ensures highest performance & security in your network.

The robust metal housing is suitable for mounting in a 19" cabinet as well as for wall mounting. The ALL-SG8618PM also has 2x SFP miniGBIC slots to connect remote server/uplink end devices via fiber optic cable.

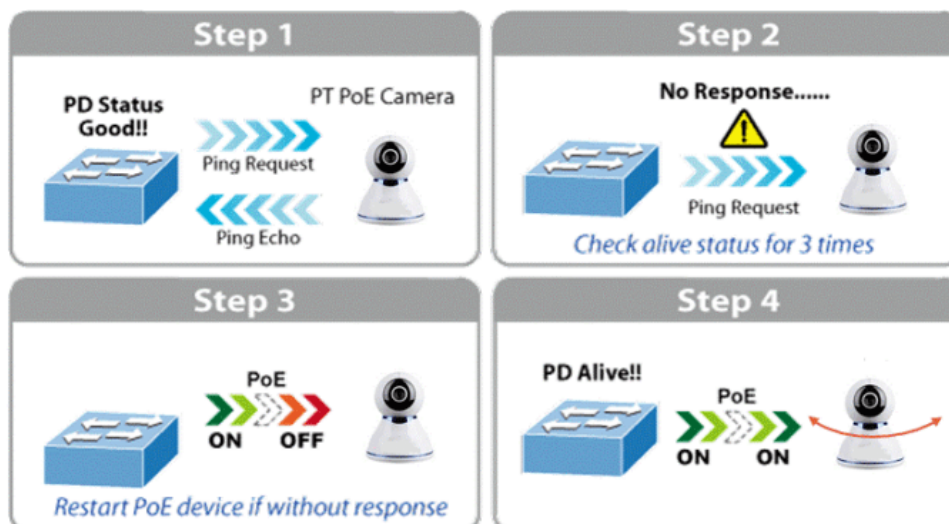
Rich PoE Management Function

Being the managed PoE switches for CCTV surveillance, wireless and VoIP networks, ALL-SG8626PM features the following special PoE management functions:

- PoE PD-alive check
- Scheduled power rebooting
- PoE schedule
- PoE usage monitoring
- Soft-reboot PoE Non-stop
- PoE port power feeding priority

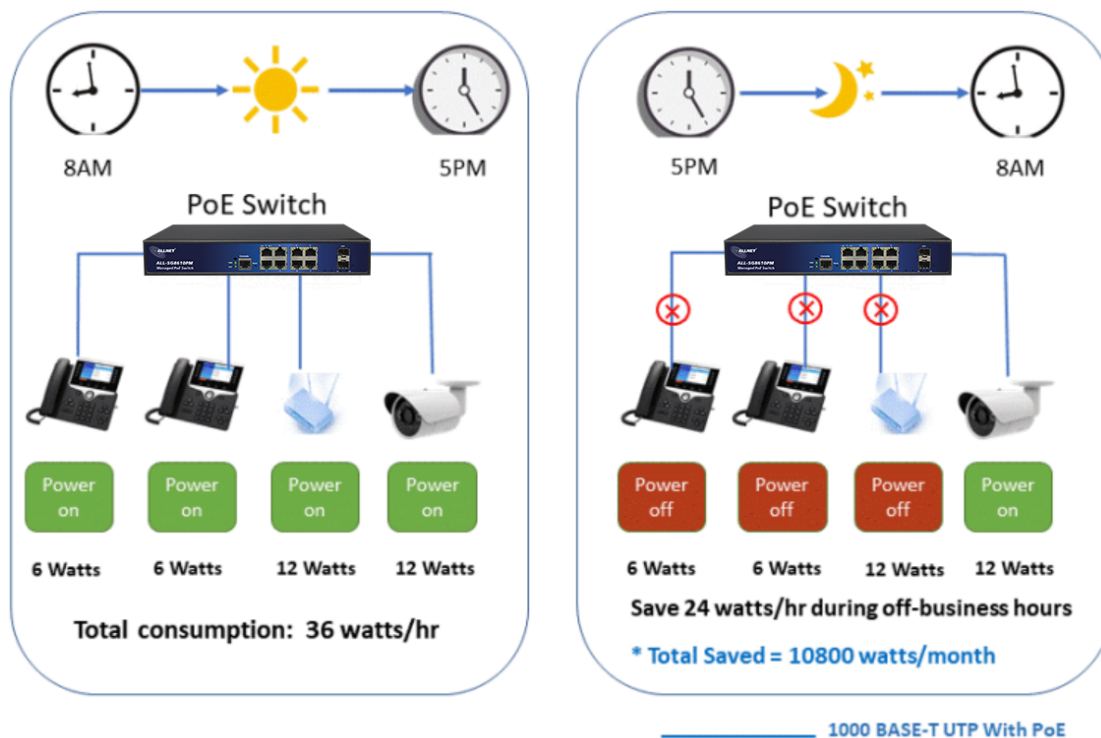
Smart PoE PD-Alive Check

ALL-SG8618PM managed PoE switch can be configured to monitor connected PD status in real time. Once the PD stops working and responding, ALL-SG8618PM will resume the PoE port power and bring the PD back to work. They will greatly enhance the network reliability through the PoE port resetting the PD's power source and reducing administrator management burden.



PoE Schedule Function for Energy Saving

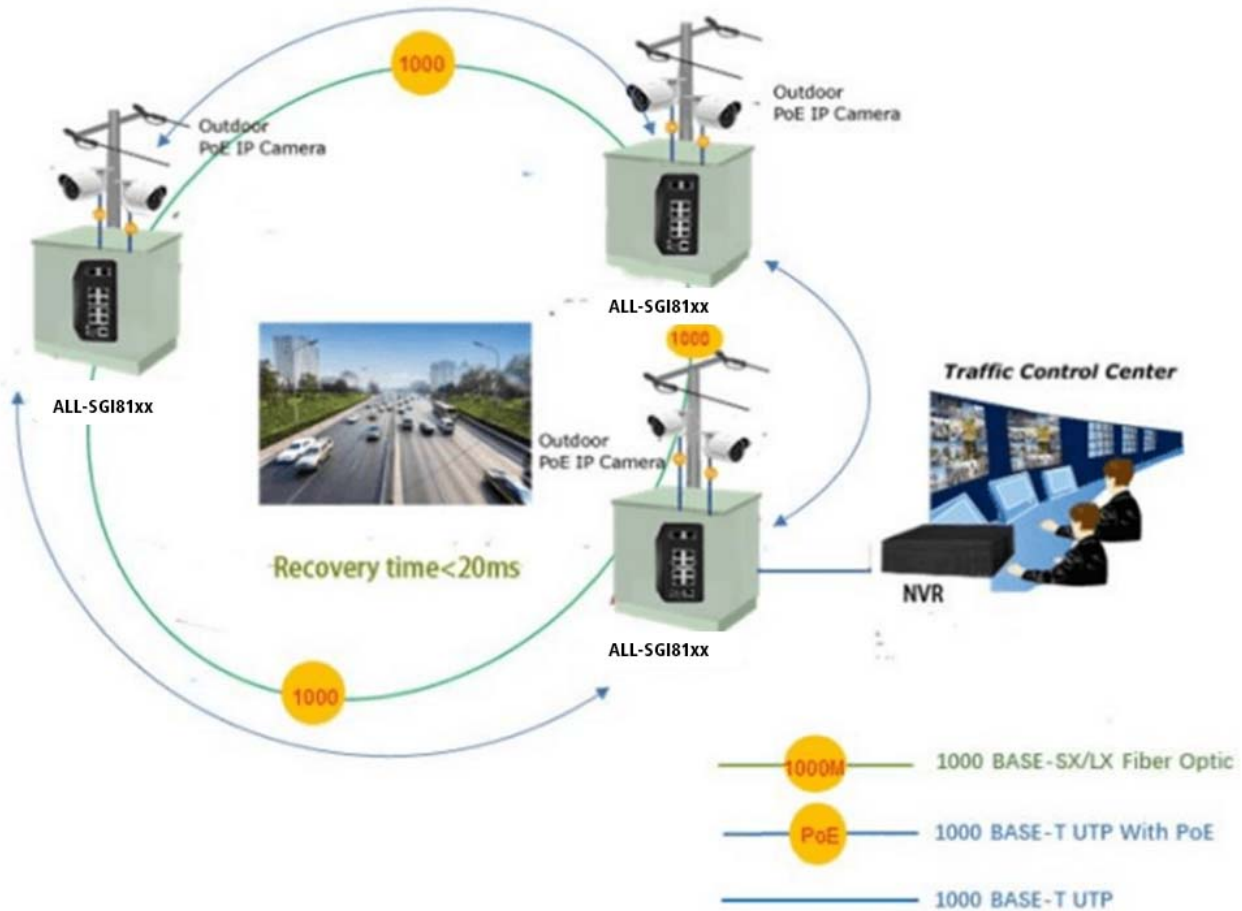
For environmental protection purpose, the ALL-SG8618PM switch Ethernet PoE can effectively control the power supply besides its capability of giving high watts power. The PoE schedule function helps to enable or disable PoE power feeding for each PoE port during specified time intervals and it is a powerful function to help SMBs or enterprises save power and money.



Scheduled PD Re-starting

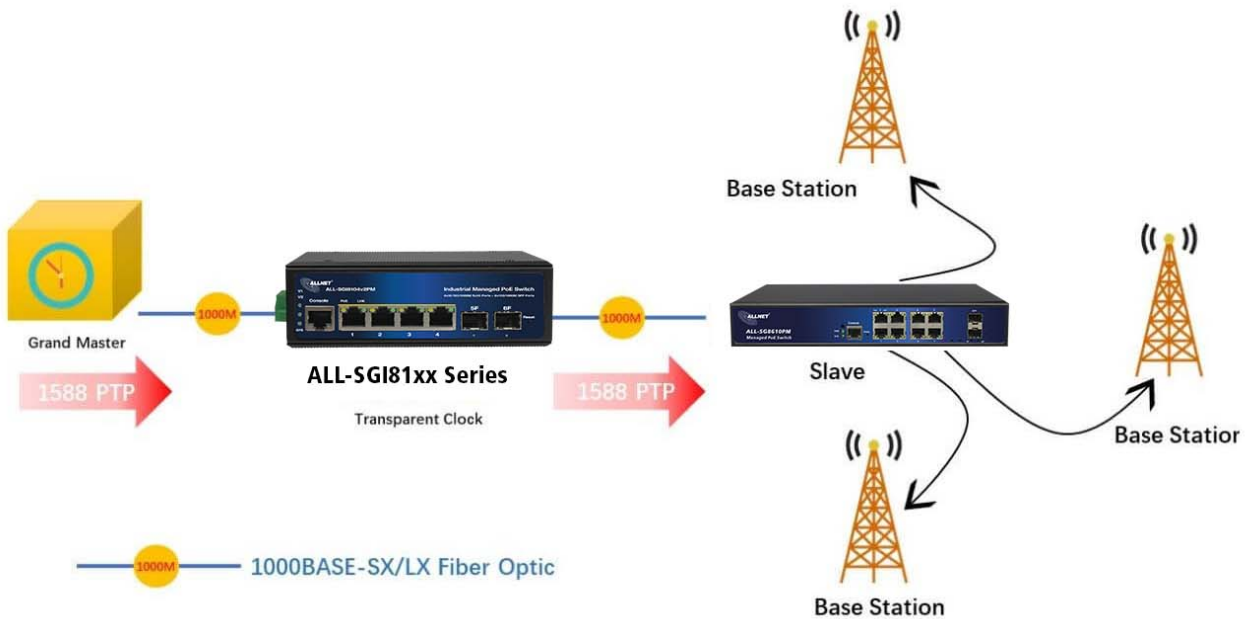
The ALL-SG8618PM smart switch PoE allows each of the connected PoE IP cameras or PoE wireless access points to reboot at a specific time each week. Therefore, it will reduce the chance of IP camera or AP crash resulting from buffer overflow.

ERPS Ring for Video Transmission Redundancy



1588 Time Protocol for Industrial Computing Networks

The ALL-SG8618PM is ideal for telecom and Carrier Ethernet applications, supporting MEF service delivery and timing over packet solutions for IEEE 1588 and synchronous Ethernet.



Strong Layer 2 Features

The ALL-SG8618PM layer 2 Ethernet switch can be programmed for advanced Layer 2 switch management functions such as dynamic port link aggregation, 802.1Q tagged VLAN, Q-in-Q VLAN, private VLAN, Multiple Spanning Tree Protocol (MSTP), QoS, bandwidth control, IGMP snooping and MLD snooping. Via the aggregation of supporting ports, the ALL-SG8618PM allows the operation of a high-speed trunk group that comes with multiple ports and supports fail-over as well.

Efficient and Various Management Methods

For efficient management, the ALL-SG8618PM is equipped with console, Web and SNMP management interfaces.

With the built-in Web-based management interface, it offers an easy-to-use, platform-independent management and configuration facility.

For text-based management, it can be accessed via Telnet and the console port.

For standard-based monitor and management software, it offers SNMPv3 connection which encrypts the packet content at each session for secure remote management.

Intelligent PoE Switch SFP DDM Function

The ALL-SG8618PM supports SFP-DDM (digital diagnostic monitor) function that greatly helps network administrator to easily monitor real-time parameters of the SFP transceivers, such as optical output power, optical input power, temperature, laser bias current, and transceiver supply voltage.

Technical Data:



Número de artículo: 193999
 Número de fabricante: ALL-SG8618PM

Model	ALL-SG8618PM
Copper Ports	16-10/100/1000BASE-T RJ45 auto-MDI/MDI-X ports
Fiber Ports	2-100/1000BASE-X SFP interfaces, supports 100/1000Mbps dual mode
PoE Ports	1~16-802.3af/802.3at PoE Injector Ports
Console Ports	1 x RS-232-to-RJ45 serial port (115200, 8, N, 1)
Switch Architecture	Store-and-Forward
Switch Fabric	36 Gbps/non-blocking
Throughput	26.78 Mpps @64 bytes
Address Table	8K entries
Share Data Buffer	4 Mb
Jumbo Frame	9600 Bytes
SDRAM	1Gb
Flash Memory	128Mb
Flow Control	IEEE 802.3x pause frame for full-duplex Back pressure for half-duplex
Reset Button	>2 sec.: Factory default and reset
Power Supply	100~240V AC, 50/60Hz, 4A (max.)
Power Consumption	Max. 280 watts/1122 BTU
PoE Standards	IEEE 802.3af Power over Ethernet/PSE IEEE 802.3at Power over Ethernet Plus/PSE
PoE Power Supply Type	Per Port 52V DC, 300mA. Max. 15.4 watts (IEEE 802.3af) Per Port 52V DC, 600mA. Max. 30 watts (IEEE 802.3at)
LED Indicators	Power: Green Solid on- power work normal, off- power disconnected System: Green Blink -work normally, solid on- soft work abnormal, fast Blink – soft upgrade PoE: Yellow Solid on- PoE work normally, Off- PoE doesn't work, Blink - PoE overload 10/100/1000T RJ45 Interfaces (Port 1 to Port 16): 1000



	<p>LNK/ACT (Green) Blink - port connected with data transmission; Solid on- port connected without data transmission</p> <p>100/1000Mbps SFP Interfaces (Port 17 to Port 18): Green</p> <p>Blink - port connected with data transmission; Solid on- port connected without data transmission</p>
EMC	<p>Surge Immunity:</p> <p>4KV Per: IEC61000-4-5</p> <p>ESD Protection:</p> <p>ESD Level 4 Per: IEC61000-4-2</p> <p>EFT Level 4 Per: IEC61000-4-4</p>
Layer2 Functions	
Port configuration	<p>Auto-negotiation Flow Control</p> <p>Port Mirror: TX/RX/BOTH; Many-to-1 monitor</p> <p>CPU Mirror</p> <p>Traffic statistics</p>
Link Aggregation	<p>Static link aggregation</p> <p>LACP (Dynamic Trunk/Static Trunk)</p> <p>Algorith based on Source/Destination MAC</p> <p>Algorithm based on Source/Destination IP</p>
MAC Table	<p>Aging Time</p> <p>Static MAC address</p> <p>Dynamic MAC address management</p>
VLAN	<p>4094 Active VLANs</p> <p>4094 VID</p> <p>802.1Q Tag VLAN</p> <p>Port VLAN</p> <p>Protocol VLAN</p>



	MAC VLAN Voice VLAN 802.1ad Q-in-Q tunneling Private VLAN (Protected port) GARP/GVRP
ACL	256ACLs L2, L3 e L4 Time-based ACL IP ACL MAC ACL MAC-IP ACL User-Defined ACL ICMPv6
Spanning tree	802.1D Spanning Tree Protocol (STP) 802.1w Rapid Spanning Tree Protocol (RSTP) 802.1s Multiple Spanning Tree Protocol (MSTP) Loop Guard Root Guard TC-BPDU Guard BPDU Guard BPDU Filter
Ring Protection	<20ms G.8032 ERPS Ring Fast Ring
Multicast	256 groups IGMP v1/v2/v3 Snooping, Fast Leave MLD Snooping



	<p>Multicast VLAN</p> <p>IGMP filter</p> <p>MVR</p> <p>Multicast Routing</p>
QOS	<p>8 mapping IDs to 8 level priority queues</p> <p>CoS port-based</p> <p>CoS 802.1p-based</p> <p>CoS DSCP-based</p> <p>Scheduling algorithms SP, WRR, SP+WRR</p> <p>Storm Control (Broadcast, Multicast, Unknown Unicast)</p> <p>Bandwidth control per port</p> <p>SWRR, DWRR for Scheduling</p> <p>Flow Redirect</p> <p>Precedence</p> <p>TOS</p> <p>Rate Limiting (Ingress/Egress)</p> <p>Stri Priority</p>
Security Features	<p>Port Security</p> <p>MAC address filter</p> <p>ARP Association (Manual, ARP scanning, DHCP snooping)</p> <p>ARP Protection</p> <p>AAA</p> <p>DAI</p> <p>DoS (Denial of Service)</p> <p>Classification of packages based on: End.MAC, IP End,</p>



	<p>TCP / UDP Ports, Protocol Type;</p> <p>802.1x Authentication (port-based e MAC-based)</p> <p>TACACS/TACACS+ Authentication</p> <p>RADIUS Authentication</p> <p>DHCP Filter</p> <p>Guest VLAN</p> <p>SSLv2/SSLv3/TLSv1</p> <p>SSHv1/SSHv2</p> <p>Restriction of WEB access based on: IP Address, And. MAC and Port;</p> <p>Port Isolation</p> <p>Loopback detection</p>
Management	<p>SNMP v1/v2c/v3 with Full Private MIBs</p> <p>RMON 4 groups</p> <p>WEB (HTTP/HTTPS)</p> <p>CLI (Telnet, Console, SSHv1/v2)</p> <p>Firmware upgrade via console/web/TFTP</p> <p>Configuration Backup/Reload</p> <p>Dual Firmware</p> <p>LLDP</p> <p>Configuration Export/Import</p> <p>CDP Aware</p> <p>OAM (IEEE802.3ah)</p> <p>CFM (IEEE802.1ag)</p> <p>sFlow</p>
Synchronization, IEEE1588	Support IEEE1588v2 transparent clock



Other Features	DNS Client DHCP Relay DHCP Client DHCP Snooping DHCP Option 66 DHCP Option 67 DHCP Option 82 NTP/SNTP Client UPNP UDLD
PoE management	Total PoE power budget control Per port PoE function enable/disable PoE admin-mode control PoE port power feeding priority Per PoE port power limitation PD classification detection PD alive check PoE schedule Soft-reboot PoE Non-stop
Maintenance	Cable Diagnostics Ping SFP DDM (Digital Diagnostics Monitoring) Thermal protection System log (Local and Remote) Memory and CPU Monitoring
Layer 3 functions	



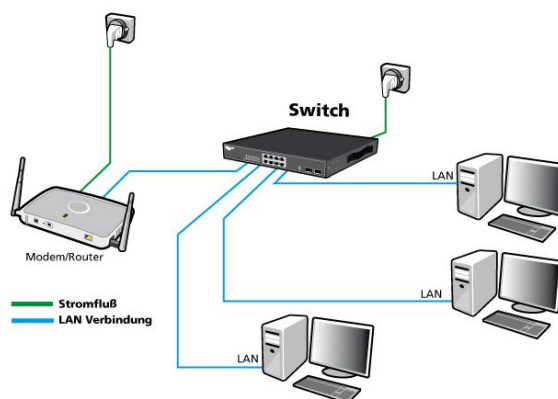
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Static Routing	IPv4 Unicast: Static Routing(Software Base) IPv6 Unicast: Static Routing(Software Base)
IPV6	IPv6 neighbor discovery (ND) Path maximum transmission unit (MTU) discovery Internet Control Message Protocol (ICMP) version 6 TCPv6/UDPv6 Ping6 Telnet(v6) Http/Https Interface IPV6 ACL IPV6
Dimension	440x290x44.5mm
Weight	4 kg
Working Temperature	-10°C to 45°C
Storage Temperature	-20°C to 70°C
MTBF	50,000hrs

Atributos

Atributo	Valor
Anzahl Ports PoE/LAN:	16/0
Belüftung Switch:	Lüfterlos
Einsatzort Switch:	19"
Management:	full managed
PoE Budget:	<300 Watt
PoE Port Leistung:	30W at
SFP Geschwindigkeit:	SFP 1GBit
Peso:	4 Kg
Garantía:	24 Meses

Imágenes adicionales



Accesorios

Número de artículo	Denominación
75932	Synergy 21 S215003 - Latiguillo CAT5e FTP RJ-45 gris, 0.25m
75939	Synergy 21 S215010 - Latiguillo CAT5e FTP RJ-45 gris, 0.50m
75946	Synergy 21 S215017 - Latiguillo CAT5e FTP RJ-45 gris, 1m
75959	Synergy 21 S215030 - Latiguillo CAT5e FTP RJ-45 gris, 2m

Número de artículo	Denominación
75966	Synergy 21 S215037 - Latiguillo CAT5e FTP RJ-45 gris, 3m
75973	Synergy 21 S215044 - Latiguillo CAT5e FTP RJ-45 gris, 5m
75979	Synergy 21 S215050 - Latiguillo CAT5e FTP RJ-45 gris, 7.5m
75986	Synergy 21 S215057 - Latiguillo CAT5e FTP RJ-45 gris, 10m
76091	Synergy 21 S215162 - Latiguillo CAT5e S-FTP RJ-45 gris, 15m
76029	Synergy 21 S215100 - Latiguillo CAT5e S-FTP RJ-45 gris, 0.25
76036	Synergy 21 S215107 - Latiguillo CAT5e S-FTP RJ-45 gris, 0.50
76043	Synergy 21 S215114 - Latiguillo CAT5e S-FTP RJ-45 gris, 1m
76056	Synergy 21 S215127 - Latiguillo CAT5e S-FTP RJ-45 gris, 2m
76063	Synergy 21 S215134 - Latiguillo CAT5e S-FTP RJ-45 gris, 3m
76070	Synergy 21 S215141 - Latiguillo CAT5e S-FTP RJ-45 gris, 5m
76077	Synergy 21 S215148 - Latiguillo CAT5e S-FTP RJ-45 gris, 7.5m
76084	Synergy 21 S215155 - Latiguillo CAT5e S-FTP RJ-45 gris, 10m
76091	Synergy 21 S215162 - Latiguillo CAT5e S-FTP RJ-45 gris, 15m
76117	Synergy 21 S216004 - Latiguillo CAT6 S-STP RJ-45 gris, 0.25m
76124	Synergy 21 S216012 - Latiguillo CAT6 S-STP RJ-45 gris, 0.5m
76133	Synergy 21 S216022 - Latiguillo CAT6 S-STP RJ-45 gris, 1m
76151	Synergy 21 S216041 - Latiguillo CAT6 S-STP RJ-45 gris, 2m
76160	Synergy 21 S216051 - Latiguillo CAT6 S-STP RJ-45 gris, 3m
76169	Synergy 21 S216061 - Latiguillo CAT6 S-STP RJ-45 gris, 5m
76178	Synergy 21 S216070 - Latiguillo CAT6 S-STP RJ-45 gris, 7.5m
76187	Synergy 21 S216079 - Latiguillo CAT6 S-STP RJ-45 gris, 10m
76196	Synergy 21 S216088 - Latiguillo CAT6 S-STP RJ-45 gris, 15m
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
188424	CyberPower SAI Interactiva 600VA/360W
188433	CyberPower SAI Interactiva 650VA/360W



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188435	CyberPower SAI Interactiva 1000VA/600W
188439	CyberPower SAI Interactivo 1500VA/900W