Synology®

Datasheet

PoE Switch

PS500

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PoE Switch

PS500



Power your surveillance network with ease

The Synology PS500 is a 5-port unmanaged Gigabit PoE+ switch designed for powering Synology cameras and PoE-enabled devices in surveillance and edge environments. With four IEEE 802.3af/at-compliant PoE+ ports, a fanless metal design, and plug-and-play simplicity, the PS500 delivers stable and efficient power without requiring configuration or ongoing maintenance.

- **Built for simple surveillance deployment**
  Power Synology cameras and PoE devices with a streamlined, easy-to-deploy design
- **Plug-and-play installation**
  Instantly power and connect devices with no setup or software required
- **Compact, fanless, and durable design**
  Metal housing with passive cooling ensures silent 24/7 operation
- **Reliable PoE+ power delivery**
  Up to 30 W per port with a 60 W total budget for stable device operation

Built for simple surveillance deployment

Designed for small-scale surveillance environments, the Synology PS500 simplifies the deployment of Synology cameras and PoE-enabled devices. Its right-sized 5-port configuration allows you to quickly build and expand monitoring setups in offices, retail stores, and other edge locations.

Plug-and-play installation

The unmanaged design enables fast and hassle-free installation with no configuration required. Simply connect your devices to instantly provide both power and network connectivity, reducing setup time and minimizing deployment complexity.

Compact, fanless, and durable design

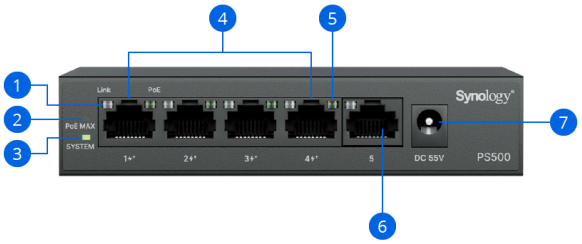
Featuring a compact metal enclosure and fanless architecture, the PS500 ensures silent and reliable operation. Its space-saving form factor and support for desktop or wall-mounted installation make it ideal for noise-sensitive and space-constrained environments.

Reliable PoE+ power delivery

Equipped with four IEEE 802.3af/at-compliant PoE+ ports, the PS500 delivers up to 30 W per port with a total 60 W PoE budget, providing stable and efficient power for Synology cameras and other PoE-enabled devices in everyday surveillance deployments.

Hardware Overview

Front



Bottom



No.	Name	No.	Name
1.	Link indicators	5.	PoE indicators
2.	PoE MAX indicator	6.	10M/100M/1G RJ-45 port
3.	System indicator	7.	Power port
4.	10M/100M/1G RJ-45 ports (PoE+)	8.	Power switch

Technical Specifications

Port Layout	
Total Ports	5
RJ-45 1GbE Ports	5
PoE Ports	4 (PoE+)

Power over Ethernet	
PoE Standard	• IEEE 802.3af (PoE) • IEEE 802.3at (PoE+)
Power Output (per Port)	30 watts
Power Budget	60 watts

Performance	
Switching Capacity	10 Gbps
Forwarding Rate	7.44 Mpps
MAC Address Table	2K
Jumbo Frame	9K bytes

Appearance	
Form Factor	Desktop
Size (Height × Width × Depth)	26 mm × 121 mm × 75 mm
Weight	0.24 kg

Others	
System Fan	Fanless
Power Supply Unit / Adapter	68 watts
AC Input Power Voltage	100V to 240V AC
Power Frequency	50/60 Hz, Single Phase
Power Consumption	65.5 watts (Full PoE Load) 1.1 watts (Idle)

Temperature	
Operating Temperature	0°C to 40°C (32°F to 104°F)
Storage Temperature	-40°C to 70°C (-40°F to 158°F)
Operating Humidity	10%~90% (non-condensing)
Storage Humidity	5%~90% (non-condensing)

Certification

- FCC
- BSMI
- CE
- RCM
- VCCI
- CB
- IC
- UKCA

Environment	RoHS Compliant
TAA Compliant	v
NDAA Compliant	v

Warranty

2 years

Packaging Content

- Main Unit × 1
- AC Power Adapter × 1
- AC Power Cord × 1
- Rubber Feet × 4
- Installation Card × 1
- Regulatory Compliance Card × 1

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