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› [Amcrest 8-Port POE+ Gigabit Ethernet Switch \(AGPS8E8P-AT-96-V2\) User Manual](#)

Amcrest AGPS8E8P-AT-96-V2

Amcrest 8-Port POE+ Gigabit Ethernet Switch User Manual

Model: AGPS8E8P-AT-96-V2

Overview	Features	Package Contents	Setup	Operation	Maintenance	Troubleshooting
		Specifications		Warranty & Support		

1. PRODUCT OVERVIEW

The Amcrest 8-Port POE+ Gigabit Ethernet Switch (Model: AGPS8E8P-AT-96-V2) is designed to provide reliable and efficient power and data connectivity for your network devices. This switch features 8 Power over Ethernet (PoE+) ports, enabling both power and data transmission over a single Ethernet cable, simplifying installation for compatible devices such as IP cameras, VoIP phones, and wireless access points.

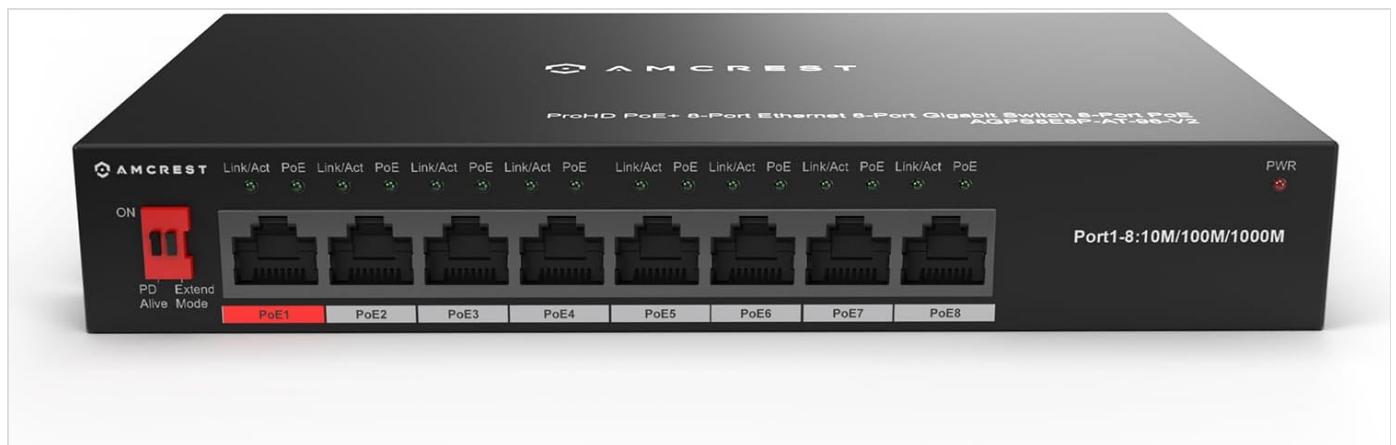


Image 1.1: Front view of the Amcrest 8-Port POE+ Gigabit Ethernet Switch, showing the 8 PoE ports and LED indicators.

2. KEY FEATURES

- **8-Port POE+ Connectivity:** Provides 8 x 10/100/1000Mbps PoE ports, supporting IEEE 802.3af and IEEE 802.3at (PoE+) standards.
- **High Power Output:** Port 1 supports Hi-PoE (up to 60W), while ports 2-8 support up to 30W each, with a total power budget of 96W.

- **Gigabit Uplink:** All ports support Gigabit Ethernet for high-speed data transfer.
- **Plug and Play:** Simple setup with no configuration required.
- **Durable Metal Housing:** Designed for longevity and efficient heat dissipation.
- **PoE Watchdog:** Automatically detects and restarts unresponsive PoE devices.
- **Extend Mode:** Allows for extended PoE transmission distance up to 820 feet (250 meters) on specific ports.
- **Wide Operating Temperature:** Functions reliably in temperatures from -14°F to 131°F (-25°C to 55°C).

8-Port Gigabit Network Switch

with High Power PoE | 8-Port PoE+ (802.3af/at)

Model: AGPS8E8P-AT-96-V2

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The image shows a black, rectangular Amcrest network switch. The front panel features eight RJ45 ports labeled PoE1 through PoE8. Above each port are status LEDs for Link/Act and PoE. To the left of the ports is a red power button with 'ON', 'PD Alive', and 'Extend Mode' indicators. To the right is a 'PWR' indicator light. The top of the device has the Amcrest logo and model number 'AGPS8E8P-AT-96-V2'.

<div style="font-size: 1.5em; color: #007bff; font-weight: bold;">PoE+</div> <p style="font-size: 0.8em; margin-top: 10px;">SUPPORTS IEEE802.3AF/AT, HI-POE</p>	<div style="font-size: 1.5em; color: #007bff;">⚡</div> <p style="font-size: 0.8em; margin-top: 10px;">DELIVER UP TO 96W OF POE POWER</p>	<div style="font-size: 1.5em; color: #007bff;">⬅️⋯➡️</div> <p style="font-size: 0.8em; margin-top: 10px;">EXTEND MODE DISTANCE UP TO 820 FT</p>	<div style="font-size: 1.5em; color: #007bff;">↔️</div> <p style="font-size: 0.8em; margin-top: 10px;">GIGABIT UPLINK</p>
<div style="font-size: 1.2em; color: #007bff; font-weight: bold;">IEEE802.3X</div> <p style="font-size: 0.7em; margin-top: 10px;">Supports PoE (IEEE802.af) and PoE+ (IEEE802.at)</p>	<div style="font-size: 1.2em; color: #007bff; font-weight: bold;">Hi-PoE</div> <p style="font-size: 0.7em; margin-top: 10px;">Supports Hi-POE (60W) on port 1</p>	<div style="font-size: 1.2em; color: #007bff; font-weight: bold;">↔️</div> <p style="font-size: 0.7em; margin-top: 10px;">Supports MD/MDIX self-adaptation</p>	<div style="font-size: 1.2em; color: #007bff; font-weight: bold;">LAYER-2</div> <p style="font-size: 0.7em; margin-top: 10px;">Layer 2 management PoE switch</p>
<div style="background-color: #007bff; color: white; border-radius: 20px; padding: 15px; display: flex; align-items: center; justify-content: center;"> <div style="font-size: 2em; margin-right: 10px;">👁️</div> <div> <p style="margin: 0; font-weight: bold; font-size: 1.1em;">PoE Watchdog</p> <p style="margin: 0; font-size: 0.8em;">Automatically detects PoE switch failure and restarts the device.</p> </div> </div>			

Discover more at [amcrest.com](https://www.amcrest.com)

Image 2.1: Diagram illustrating the key features of the Amcrest 8-Port POE+ Gigabit Ethernet Switch, including PoE+ support, 96W power, extend mode, and PoE Watchdog.

3. PACKAGE CONTENTS

Verify that all items are present and in good condition upon opening the package:

- 1 x Amcrest 8-Port POE+ Switch (AGPS8E8P-AT-96-V2)
- 1 x Power Adapter
- Mounting Screws (for optional installation)
- Quick Start Guide (not included in this manual)

4. SETUP INSTRUCTIONS

1. **Unpack the Switch:** Carefully remove the switch and all accessories from the packaging.
2. **Connect Power:** Connect the provided power adapter to the DC 48-57V power input port on the switch and then plug the adapter into a standard electrical outlet. The PWR LED indicator on the front panel will illuminate, indicating the switch is powered on.
3. **Connect to Network:** Connect your router or main network device to any of the 8 Gigabit Ethernet ports on the switch using a standard Ethernet cable.
4. **Connect PoE Devices:** Connect your PoE-compatible devices (e.g., IP cameras, VoIP phones) to the remaining PoE ports using Ethernet cables. The Link/Act and PoE LEDs for each connected port will illuminate, indicating a successful connection and power delivery.
5. **Optional: Extend Mode:** If extended distance is required for a PoE device, ensure the "Extend Mode" switch is set to ON. This mode typically reduces bandwidth to 10Mbps but extends the transmission distance up to 820 feet (250 meters). Refer to the specific port configuration for your model.

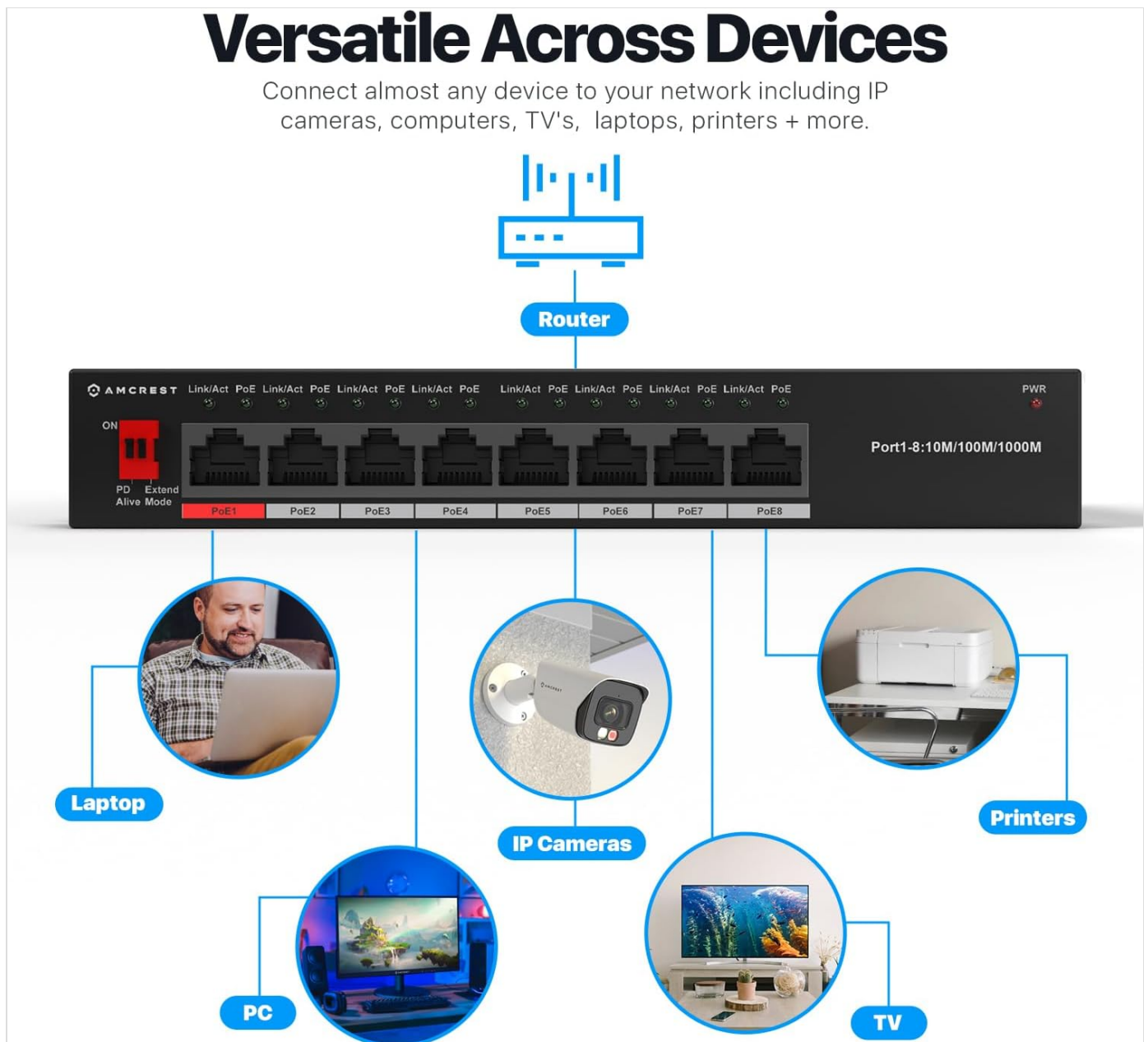


Image 4.1: Illustration of the Amcrest PoE switch connecting to a router and various devices like laptops, IP cameras, and printers, demonstrating its versatility.

5. OPERATING INSTRUCTIONS

The Amcrest PoE+ Switch is designed for plug-and-play operation, requiring minimal user intervention. Once powered on and connected, it automatically detects and provides power to compatible PoE devices.

- **LED Indicators:**
 - **PWR LED:** Solid green indicates the switch is powered on.
 - **Link/Act LEDs:** Solid green indicates a stable network link. Blinking green indicates data activity.
 - **PoE LEDs:** Solid green indicates PoE power is being supplied to the connected device.
- **PoE Watchdog Function:** The switch continuously monitors the status of connected PoE devices. If a device becomes unresponsive, the PoE Watchdog feature will automatically restart the power to that port, helping to restore functionality without manual intervention.
- **Extend Mode:** For devices requiring longer cable runs, activate the Extend Mode switch. This will allow PoE and data transmission up to 820 feet (250 meters) at a reduced speed of 10Mbps. Ensure your connected device supports this mode.

Built-to-Last

Compact desktop size and built-to-last with the heavy duty metal housing and working temperature of 14°F ~ 131°F for continuous use.



Image 5.1: View of the Amcrest PoE switch highlighting its compact desktop size and durable metal housing, designed for continuous use.

6. MAINTENANCE

To ensure optimal performance and longevity of your Amcrest PoE+ Switch, follow these maintenance guidelines:

- **Cleaning:** Regularly clean the exterior of the switch with a soft, dry cloth. Avoid using liquid or aerosol cleaners.
- **Ventilation:** Ensure the switch is placed in a well-ventilated area to prevent overheating. Do not block any ventilation openings.
- **Cable Management:** Keep network cables organized and free from kinks or excessive tension to prevent damage and ensure reliable connections.
- **Firmware Updates:** Periodically check the Amcrest website for any available firmware updates for your model. While this is a plug-and-play device, occasional updates may improve performance or address issues.

7. TROUBLESHOOTING

If you encounter issues with your Amcrest PoE+ Switch, refer to the following common troubleshooting steps:

- **No Power (PWR LED Off):**
 - Ensure the power adapter is securely connected to both the switch and a working electrical outlet.
 - Verify the power outlet is functional by plugging in another device.
- **No Link/Activity (Link/Act LED Off):**
 - Check that the Ethernet cable is securely connected to both the switch port and the network device.
 - Try a different Ethernet cable.
 - Ensure the connected network device is powered on and functioning correctly.
- **No PoE Power (PoE LED Off):**
 - Confirm that the connected device is PoE-compatible (IEEE 802.3af/at).
 - Check the total power budget (96W) and individual port limits (Port 1: 60W, Ports 2-8: 30W). Ensure you are not exceeding these limits.
 - Try connecting the device to a different PoE port.
 - If the device is unresponsive, the PoE Watchdog may have already attempted a restart. If not, try power cycling the switch.
- **Slow Network Speed:**
 - Verify that all connected devices and cables support Gigabit Ethernet (1000Mbps).
 - If using Extend Mode, note that bandwidth is reduced to 10Mbps.
 - Check for network congestion or issues with your router/main network device.

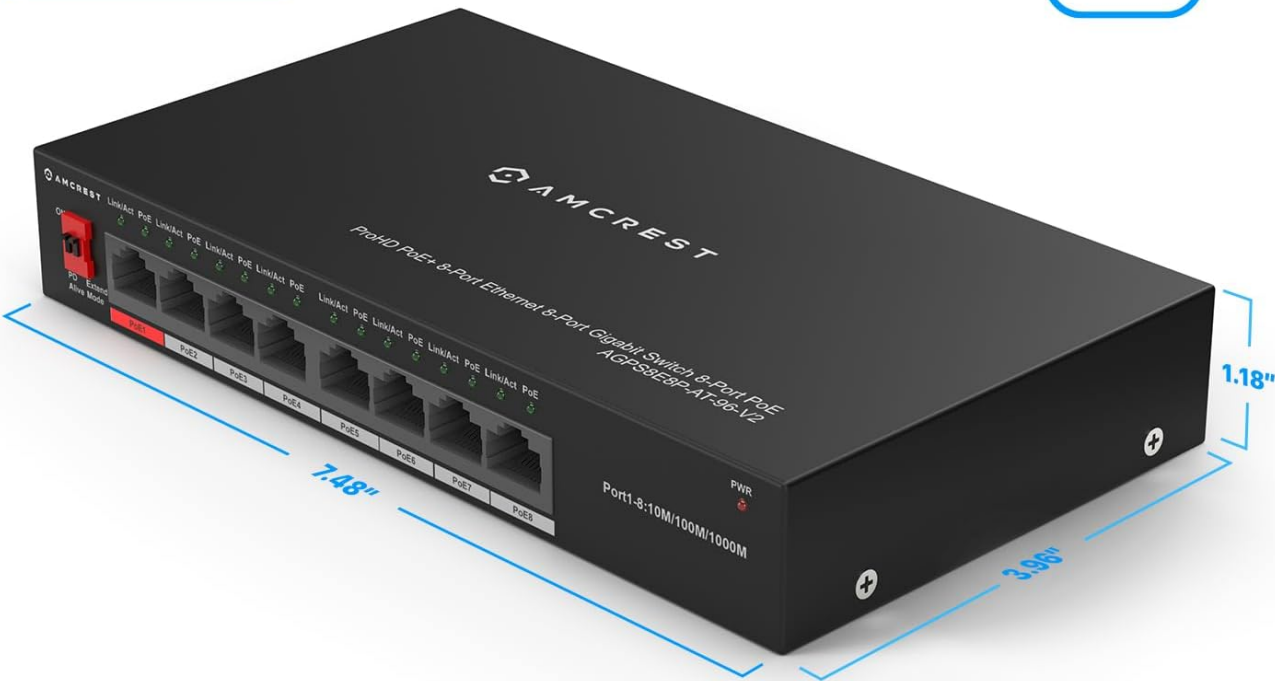
8. TECHNICAL SPECIFICATIONS

8-Port Gigabit Network Switch

with High Power PoE | 8-Port PoE+ (802.3af/at)

Model: AGPS8E8P-AT-96-V2

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WATT



Technical Specifications

Ethernet Port

- Port 1-8: 8 × RJ-45 10/100/1000 Mbps (PoE)

PoE Power Consumption

- Port 1 ≤ 90W, Port 2-8 ≤ 30W
- Total ≤ 96W

PoE Protocol

- IEEE802.3af (PoE), IEEE802.3at (PoE+), IEEE802.3bt, Hi-PoE

Switching Capacity • 20Gbps

Packet Forwarding Rate • 11.9Mpps

Packet Buffer Memory • 1.5Mb

MAC Table Size • 8K

PoE Pin Assignment

- 1, 2, 4, 5 (V+), 3, 6, 7, 8 (V-)

Long Distance PoE • Up to 820.21 ft

Application Humidity • 5% – 95%

Power • DC 48-57V

Statics Protection

- Air discharge: 8 kV
- Contact discharge: 6 kV

Lightning Protection

- Common Mode 2 kV
- Differential Mode 0.5 kV

Working Temperature

- -14°F ~ 131°F

Weight • 1.08 lbs

Dimensions

- 7.48" × 3.96" × 1.18"

Image 8.1: Detailed view of the Amcrest PoE switch with dimensions and a summary of its technical specifications.

Amcrest AGPS8E8P-AT-96-V2 Specifications

Feature	Detail
Model	AGPS8E8P-AT-96-V2
Ethernet Ports	8 x 10/100/1000Mbps RJ45 Ports
PoE Protocol	IEEE 802.3af (PoE), IEEE 802.3at (PoE+), Hi-PoE
PoE Power Consumption	Port 1: <60W, Ports 2-8: <30W, Total: <96W
Switching Capacity	20Gbps
Packet Forwarding Rate	11.9Mpps
Packet Buffer Memory	1.5Mb

Feature	Detail
MAC Table Size	8K
Flow Control	Enabled by default
Application Humidity	10%-90% (non-condensing)
Power Input	DC 48-57V
Lightning Protection	Common Mode: 2KV, Differential Mode: 0.5KV
Working Temperature	-14°F ~ 131°F (-25°C ~ 55°C)
Dimensions (L x W x H)	7.5 x 3.9 x 1.18 inches (190.5 x 99.1 x 30 mm)
Weight	1.08 lbs (0.49 kg)
Case Material	Metal

9. WARRANTY AND SUPPORT

The Amcrest 8-Port POE+ Gigabit Ethernet Switch comes with a**1-Year Warranty**. Amcrest also provides**Lifetime Support** directly from Amcrest to ensure you have assistance when needed.

For technical support, warranty claims, or additional product information, please visit the official Amcrest website or contact their customer service. You can often find helpful resources, FAQs, and contact details on their support pages.



Official Product Video:





Your browser does not support the video tag.

Video 9.1: An official Amcrest video titled "Simple. Reliable. Secure." This video provides an overview of Amcrest's commitment to security and ease of use for their products, including surveillance solutions.

For further assistance, please visit: [Amcrest Support](#)

Related Documents - AGPS8E8P-AT-96-V2

	<p>Amcrest PoE Camera Quick Start Guide: Setup, Installation, and Troubleshooting</p> <p>A comprehensive quick start guide for Amcrest PoE cameras, detailing setup procedures for Amcrest Cloud and Amcrest View Pro applications. Covers mobile and desktop setup, device search, physical installation, troubleshooting common issues, and understanding PoE/PoE+ technology. Includes links to support resources and FCC compliance information.</p>
	<p>Amcrest POE AI Camera Quick Start Guide: Setup and Features</p> <p>Comprehensive quick start guide for Amcrest POE AI Cameras, covering mobile setup (Amcrest Cloud, Amcrest View Pro), desktop access, troubleshooting, and FCC compliance.</p>

	<p>Amcrest PoE Camera Quick Start Guide: Initial Setup</p> <p>A quick start guide for setting up Amcrest PoE cameras using Amcrest Cloud and Amcrest View Pro applications, covering mobile and desktop setup, physical installation, and troubleshooting.</p>
	<p>Amcrest POE Camera Quick Start Guide: Setup and Installation</p> <p>This guide provides step-by-step instructions for setting up Amcrest POE cameras using the Amcrest Cloud and Amcrest View Pro mobile applications, as well as desktop access methods. It covers initial setup, troubleshooting, and physical installation.</p>
	<p>Amcrest POE AI Camera Quick Start Guide: Setup and Usage</p> <p>Comprehensive quick start guide for Amcrest POE AI Cameras, covering setup with Amcrest Cloud and Amcrest View Pro, device search, desktop access, and troubleshooting. Includes FCC compliance information.</p>
	<p>Amcrest Wi-Fi Camera Quick Start Guide: Setup and Configuration</p> <p>This guide provides step-by-step instructions for setting up Amcrest Wi-Fi cameras using the Amcrest Cloud and Amcrest View Pro mobile applications, as well as desktop access methods. It covers initial setup, network configuration, troubleshooting, and important compliance information.</p>