



PoE Splitter, Gigabit, Adjustable 5V/9V/12V/18V Output (30W Max)



Compliance & Standards

- IEEE 802.3af / IEEE 802.3at (PoE / PoE+)
- IEEE 802.3 (Ethernet), 802.3u (Fast Ethernet), 802.3ab (Gigabit Ethernet)
- RoHS Compliant, CE, FCC
- Electromagnetic Compliance:
 - FCC Part 15, Class B
 - EN 55022 Class B (Emission)
 - EN 55024 (Immunity), VCCI

Product Part Number

N89.PSG2

Product Description

This versatile **Gigabit PoE Splitter** is designed to power non-PoE devices by converting standard PoE input (36–57V DC) into selectable DC outputs of **5V, 9V, 12V, or 18V**. Fully compliant with **IEEE 802.3af/at**, it supports **Gigabit Ethernet (10/100/1000 Mbps)**, making it ideal for a wide range of IP-based deployments.

The splitter supports up to **30W output power**, and includes intelligent features such as **thermal cutoff**, **short-circuit protection**, and **high-efficiency DC/DC conversion**—all in a compact wall-mount form factor. Built for reliability and flexibility, this device enables streamlined installations by combining data and power through a single Ethernet cable.

Product Features

- Fully compliant with IEEE 802.3af/at PoE standards
- Adjustable output voltage: 5V, 9V, 12V, or 18V
- Supports Gigabit Ethernet (10/100/1000 Mbps)
- Built-in thermal cutoff and short-circuit protection
- Auto-sensing PoE input with wide voltage range (36–57V DC)
- Integrated high-efficiency DC/DC converter
- Plug-and-play setup with LED indicators for PoE readiness
- Compact design with wall-mount capability

Applications

- IP Cameras & PTZ Units
- Network Access Control Devices
- Wireless Access Points
- IR Illuminators
- VoIP Terminals / IP Phones





Material Specifications

Data Rates	10/100/1000 Mbps
Ethernet Ports	1 x RJ45 PoE IN (Data + Power); 1 x RJ45 LAN OUT (Data only)
DC Output Interface	1 x 5.5mm x 2.1mm Barrel Jack
Input Power Voltage	36–57V DC
Power Output	Adjustable: 5V/3A 9V/2.5A 12V/2.5A 18V/1.6A
Maximum Output Power	Up to 30W
Power Standard Compliance	IEEE 802.3af / IEEE 802.3at
LED Indicators	PoE Status / In-Use
Connectors	Shielded RJ45, EIA/TIA 568A & 568B compliant
EMI / EMC Compliance	EN 55022 Class B (Emission), EN 55024 (Immunity), VCCI
Regulatory Compliance	IEEE 802.3af/at (PoE) IEEE 802.3 (Ethernet) IEEE 802.3u (Fast Ethernet) IEEE 802.3ab (Gigabit Ethernet) RoHS Compliant CE FCC
Reliability	MTBF : 100,000 hours @ 25°C
Dimensions	78mm × 73mm × 28mm

Environmental Specifications

Temperature range	Storage & shipping	-20°C to +70°C
	Operation	0 to 40°C
Humidity Tolerance	Storage	Max 95% RH (non-condensing)
	Operation	Max 90% RH (non-condensing)

Ordering Information

N89.PSG2	PoE Splitter – Gigabit, Adjustable 5V/9V/12V/18V Output
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NORTHERN
LINK

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Warning

Always verify the **selected output voltage** before powering up connected devices. **Incorrect voltage selection may damage your equipment.**

Shipping Information

Item	Dimension
Product	Length : 78mm Width : 73mm Height : 28mm

