## Product Part Number

N89.PS100-12V

## Product Description

Designed for seamless integration with legacy 12V-powered network devices, this **100Mbps PoE splitter** efficiently extracts power from an IEEE 802.3af-compliant PoE line and converts it to a regulated **12V DC output** (up to 13W). It allows the deployment of non-PoE equipment—such as IP cameras or access control systems—without the need for local power adapters.

Equipped with a built-in **DC/DC converter**, surge protection, and easy plug-and-play functionality, this isolated splitter is ideal for long-distance, low-voltage applications up to 100 meters.

## Product Features

- IEEE 802.3af compliant for reliable PoE operation
- Supports 10/100Mbps Ethernet networks
- Built-in DC/DC converter eliminates the need for external power adapters
- LED indicators for PoE and Link/Activity status
- Plug-and-play installation – no software or configuration required
- Isolated output design for enhanced equipment protection
- Integrated 1.5kV surge protection
- EMI compliance with FCC, CE Class B
- Supports PoE transmission distance up to 100 meters

## Applications

- IP Cameras (fixed and dome)
- CCTV Surveillance Systems
- Access Control Panels
- Infrared (IR) Illuminators
- DVRs & Video Processing Units

## Compliance & Standards

- IEEE 802.3af (PoE)
- RoHS Compliant
- FCC Part 15, Class B
- EN 55022 (Emissions), EN 55024 (Immunity), VCCI

RoHS compliant

## Material Specifications

| | |
|---|---|
| Data Rates | 10/100Mbps |
| Input Power Voltage | 44 – 57V DC |
| Input Power Consumption | 15.4W |
| Output Power | 12V DC / 1A (Max 13W) |
| Pin Assignment & Polarity | 1/2(+), 3/6(-); 4/5(+), 7/8(-) |
| LED Indicators | PoE Power, Link/Activity |
| Connectors | Shielded RJ45, EIA/TIA 568A & 568B compliant |
| Surge Protection | RJ45 Port : 1.5kV |
| EMI / EMC Compliance | FCC Part 15 Class B, EN 55022, EN 55024, VCCI |
| Regulatory Compliance | IEEE 802.3af, CE, FCC, RoHS |
| Reliability | MTBF : 100,000 hours @ 25℃ |
| Dimensions | 150mm × 65mm × 38mm |
| Weight | 560gm |

## Environmental Specifications

| | | |
|---|---|---|
| Temperature range | Storage & shipping | -20℃ to +70℃ |
| | Operation | -10℃ to +45℃ |

## Ordering Information

| | |
|---|---|
| N89.PS100-12V | PoE Splitter – 100Mbps, 12V Output |

## Note

Please read this manual thoroughly before connecting your device. **Incorrect connections may result in fire, electric shock, or equipment damage.**

RoHS compliant

NORTHERN
LINK

## Shipping Information

| Item | Dimension | Nominal Net Weight |
|------|-----------|--------------------|
| Product | Length : 150mm<br>Width : 65mm<br>Height : 38mm | Weight : 560gm |