PoE Splitter, 100Mbps, 5V Output

Product Part Number

N89.PS100-5V

Product Description

This compact and efficient 100Mbps PoE splitter is designed to deliver a regulated **5V DC output (up to 13W)** to non-PoE devices over standard Ethernet cabling. Fully compliant with **IEEE 802.3af** standards, it separates power and data from a single PoE input and provides clean, isolated power ideal for sensitive low-voltage devices.

Equipped with an integrated **DC/DC converter**, **surge protection**, and LED indicators, it ensures safe, stable, and easy installation across a range of applications including surveillance, networking, and access control systems.

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 for quick, tool-free installation
- 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 (including fixed and mini-domes)
- CCTV Systems
- Access Control Devices
- Infrared (IR) Illuminators
- Video Processing Units & DVRs

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	5V DC / 2.5A (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.PS100-5V	PoE Splitter – 100Mbps, 5V 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 Width : 65mm Height : 38mm	560gm