

PD1042

2-Port Hardened RJ45 Surge Protector



Overview

EtherWAN's PD1042 is a 2-Port Hardened RJ45 PoE-compatible Surge Protector designed to protect Ethernet networking devices from dangerous electrical surges. Designed for harsh environments, the PD1042 can be placed where you need it to protect your valuable network equipment.

Highlights

+ Protection Solution Against Voltage Surge + Hardened Grade

Provides pair-to-pair protection through RJ45 connector for Ethernet connections

Provides -40 to 75°C operating temperature range for extreme environments

+ Flexible Installation

Supports DIN-rail or desktop installation

+ Gigabit Ethernet and PoE Compatible

Pass-through Data and compatible with high power PoE (Power over Ethernet) up to 90W (802.3bt)

Specifications

+ Electrical

Nominal discharge current Line-Ground (8/20) μ s
10KA

Nominal discharge current Line-Ground (10/1000) μ s
200A

Nominal discharge current Line-Line(8/20) μ s
30A

Clamping Voltage Line-Ground
600V

Clamping Voltage Line-Line
20V

Insertion Loss @ 10MHZ/100MHZ
1db

Return Loss @ 10MHz/100MHz)
-20db

Response Time
5ns

Capacitance Line-Line
 ≤ 1 PF

Capacitance Line-Ground
 ≤ 1 PF

+ Mechanical

Casing
Rugged Aluminum
IP30

Dimensions
32 x 103.5 x 81.55mm (W x H x D)
(1.26" x 4.07" x 3.21")

Weight
140g (0.31lb)

Installation
DIN-Rail or Wall/Panel

+ Standards

Ethernet Standard
IEEE 802.3 10Base-T
IEEE 802.3 100Base-TX Fast Ethernet
IEEE 802.3 1000Base-T Gigabit Ethernet

PoE Standard
IEEE 802.3af PoE
IEEE 802.3at PoE+
IEEE 802.3bt PoE++

+ Regulatory Approvals

ISO

Manufactured in an ISO 9001 facility

EMI

CE (EN55032/35)

FCC Part 15 Class B

+ Environmental

Operating Temperature

-40 to 75°C (-40 to 167°F)

Storage Temperature

-40 to 85°C (-40 to 185°F)

Ambient Relative Humidity

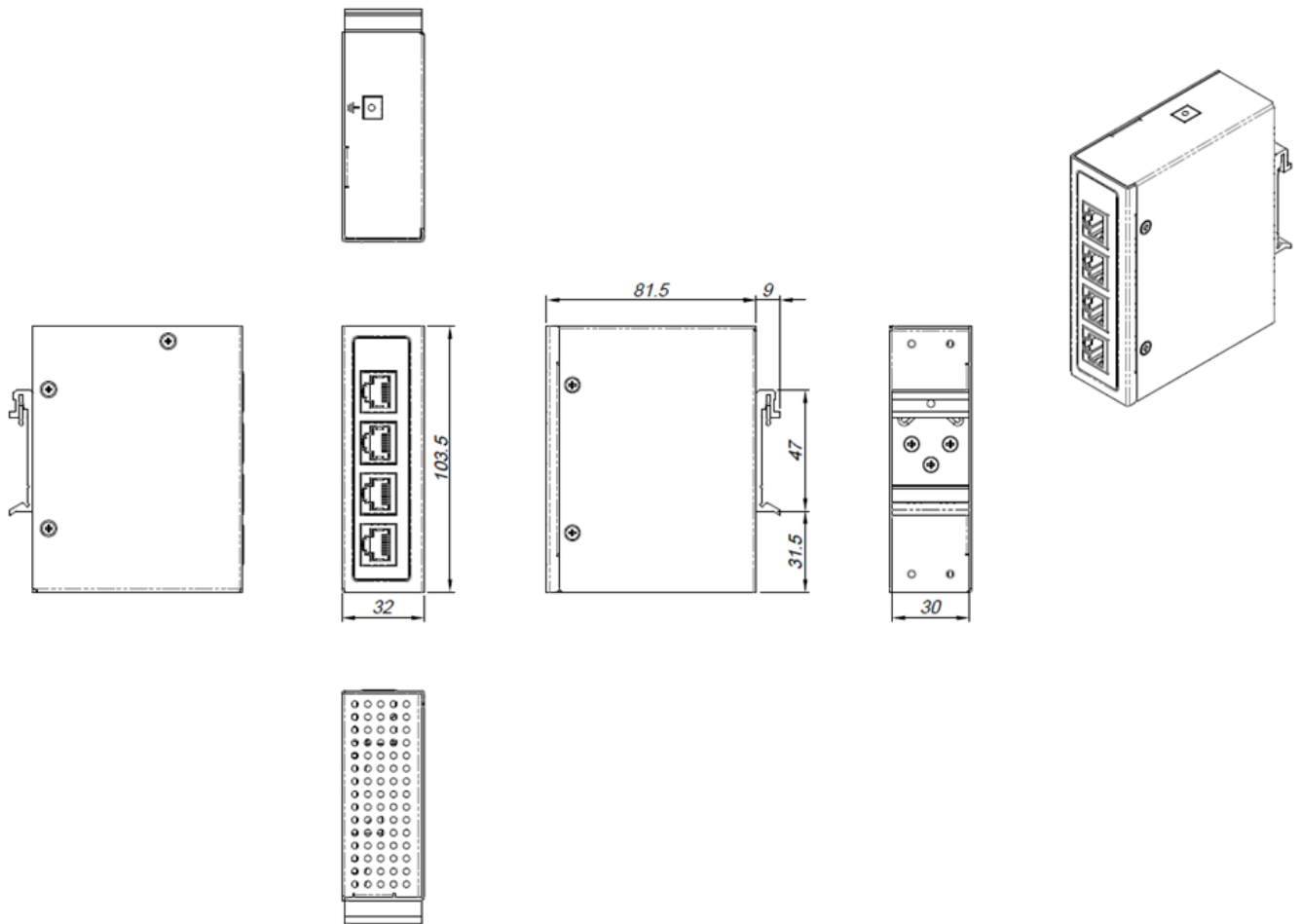
5% to 95% (non-condensation)

+ MPN

PD1042

1864389

Dimensions



Ordering Info

+ Model

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* Note: Cat.6 cable is recommended.

+ Related Products

EasyLink Series	Preconfigured point-to-point & point-to-multipoint wireless bridge kits up to 2400 Mbps
EasyPoE Series	Complete edge networking solutions - integrated enclosures w/ PoE switch, power supply, & more
EX78900X Series	Hardened Managed 90W Gigabit PoE and 10G SFP+ Ethernet Switches
EX78900H Series	Hardened Managed 90W Gigabit PoE and 1G SFP Ethernet Switches
EX78900G Series	Hardened Managed 90W Gigabit PoE and 1G/2.5G SFP Ethernet Switches
EX78900E Series	Hardened Managed 60W Gigabit PoE and 1G SFP Ethernet Switches

