

PD1000 Series 2 Ports PoE Extender

Unmanaged Plug and Play 10/100/1000 Ethernet PoE Extender up to 200 Meters

Infinique's INPD1000 is an Ethernet PoE Extender that powers devices such as an IP Camera which are installed at distances which are greater than the Ethernet cabling standard of 100 meters. It has 2x RJ45 PoE output ports to provide Data and Power to connected devices while the 1x RJ45 port provides connectivity between the PoE Extender and the PSE such as a PoE switch.

This Ethernet PoE Extender is suitable for applications such as transportation, shipping, mining, energy, video surveillance, smart buildings, and any installation where IP devices are installed at distances of more than 100 meters.

Features and Benefits

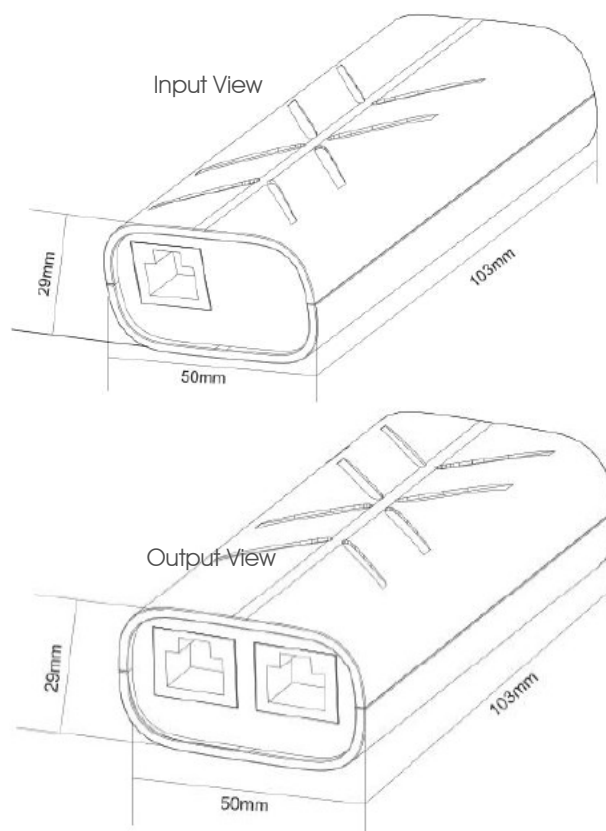
- Plug and Play Connectivity**
 Unmanaged Plug and Play PSE with 3x RJ45 Ethernet 10/100/1000Base-T Ports, 2x RJ45 Output Ports for Data and Power, 1x RJ45 Port for Input. No Additional Power Supply Required.
- Excellent Performance**
 Switching capacity of 12 Gbps and forwarding speed of 4.46Mbps @64 bytes
- Robust Design**
 IP30 ABS Plastic Flame Retardant PC Grade Enclosure, Fan-less Design, Excellent Heat Dissipation and provides Stable Operation
- Port Lightning Protection**
 Port lightning protection common-mode 4KV, Differential mode 2KV
- Standards**
 Complies with IEEE 802.3af, 802.3at, 802.3u, 802.3x, 802.3ab, 802.1X, 802.1Q, 802.1P Standards

CONSTRUCTION



Dimensions:

Width: 50 mm
 Height: 29 mm
 Depth: 103 mm



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| TECHNICAL SPECIFICATIONS | |
|---|--|
| Ethernet RJ45 Ports | 2x 10/100/1000 Base PoE Ports (Data/Power) auto-sensing, full/half duplex MDI/MDI-X self-adaption 1x 10/100/1000 Base-T(X) Uplink PD Port (Data/Power) |
| Network Protocols | IEEE 802.3, 10BASE-T Ethernet, IEEE802.3i 10Base-T IEEE 802.3u, 100BASE-T Fast Ethernet Standard IEEE 802.3ab, 1000BASE-T Gigabit Ethernet Standard, IEEE802.3z 1000Base-X IEEE 802.3x, Full-Duplex Ethernet Data Link Layer Flow Control |
| Features | Half/Full-Duplex Operation at 10/100Mbps Full-Duplex Operation at 1000Mbps Auto-Negotiation for each port Auto MDI/MDIX |
| LED Indicator Status | Power: Green, Per Port Link/Act: Yellow, SFP: L/A Green |
| SWITCH PERFORMANCE | |
| Switching Bandwidth | 12 Gbps |
| Forwarding Rate | 4.46 Mpps @64byte |
| Network Delay | < 20 msec |
| Buffer Memory | 2M |
| Jumbo Frame | 9.2K |
| MAC Addresses Table Size | 2K |
| MTBF | 306,600 hours or 35 Years |
| POWER MANAGEMENT | |
| PoE Power Budget | 25W, Max 25W Per Port, IEEE802.3af/at , Restricted by max input power of PSE |
| Power Supply Pin | Default: 1/2 (+), 3/6 (-), Optional 4/5(+), 7/8(-) |
| Power Consumption | Standby< 2W, Full load < 30W |
| Power Supply | Powered Device, RJ45 PoE port, No additional power supply required. |
| ENVIRONMENT | |
| Operating Temperature | -20°C to 55°C |
| Operating Relative Humidity | 5% - 90%, non-condensing |
| Storage Temperature | -40°C to 80°C |
| Storage Relative Humidity | 5% - 90%, non-condensing |
| Working, Storage Altitude | up to 10,000 ft / 3000 m |
| PHYSICAL CHARACTERISTICS | |
| Dimensions | 50 (w) x 103 (d) x 29 (h) mm |
| Weight | 0.07kg Net / 0.08kg Gross |
| Enclosure | IP30 ABS Plastic Fire Retardant PC Grade, Desktop or Wall mountable |
| STANDARDS COMPLIANCE | |
| Lightning protection / Protection level | Lightning Protection: 4KV 8/20us, Protection level: IP30 |
| Mechanical Properties | IEC60068-2-6 (anti vibration) IEC60068-2-27 (anti shock) IEC60068-2-32 (free fall) |
| Certification | CCC; CE Mark, Commercial; CE/LVD EN60950; FCC Part 15 Class B; RoHS |

| ORDERING INFORMATION | |
|----------------------|---|
| PART NUMBER | DESCRIPTION |
| INPD1000-2RP | Infinique INPD1000 Series 2 Ports PoE Extender, Distance 200 meters, 2x 10/100/1000 PoE Ports, 1x 10/100/1000 Uplink Port, Switching Capacity 12 Gbps, PoE Power Budget 25W, Max 25W Per Port, Plug and Play Configuration, IP30 ABS Plastic Fire Retardant PC Grade Enclosure, Desktop or Wall Mountable |



Infinique, a Canadian company is a manufacturer of high performing end-to-end solutions in copper, fiber and video surveillance systems. For more information visit our website at www.infinique.com or email us at sales@infinique.com.