Gigabit PoE/PoE+ Repeater

Injector-GRT 10/100/1000Mbps, Extend 100m Distance

Key Features

- Complies with IEEE802.3 10Base-T; IEEE802.3u 100Base-TX and IEEE802.3ab 1000Base-T

- Complies with IEEE 802.3 at PoE+ ; IEEE802.3af PoE Standards, Mid-Span PSE

- Supports two 10M/100M auto-detect Half/Full duplex switch ports with TX interfaces.

- Built-in 96K Byte SRAM buffer memory.

- Supports 2K MAC addresses entry tables with4-ways associative hash algorithm

- Support IGMP V1, V2, and IGMP snooping

- Supports Store & Forward architecture and performs forwarding and filtering at non-blocking full wire speed.

- Supports 802.3x Flow Control pause packet for Full Duplex in case buffer is full.

- Supports Back Pressure function for Half Duplex operation in case buffer is full.

- Supports packet length up to 1522 (Default) / Maximum 1536 bytes .

- Broadcast/ Multicast Storm suppression.

- Supports buffer allocation with 512 bytes per block

- Supports per port Single/Dual color mode with Power On auto diagnostic.

- Two RJ-45 interfaces, One Data+Power input and One Data+Power output

- Auto-detect PoE equipment, IEEE802.3at or IEEE802.3af, protecting the device from being damaged by incorrect link

- Remote support port up to 100M from PSE port, maintain power zero loss to PD device

- Support multiple repeaters to multiple 100M Ethernet distance and supply PoE+ power into the PD device.

- Power saving design, keep less power over RJ45 cable until PD device request

    LED indicators for Power LED and PoE function enable

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Technical Specifications

Standards	IEEE 802.3 10BaseT IEEE 802.3u 100BaseTX IEEE802.3ab 1000Base-T IEEE802.3X IEEE802.3at Power Over Ethernet (PoE +) IEEE802.3af Power Over Ethernet (PoE)
Features	**Number of Ports:** 1 *RJ-45 Connector : Data+ power input port 1 * RJ-45 Connector: Data+ power output port
Data Transfer Rate	**Ethernet:** 10Mbps/Half-Duplex 20Mbps/Full-Duplex **Fast Ethernet:** 100Mbps/Half-Duplex 200Mbps/Full-Duplex **Gigabit** 2000Mbps/Full-Duplex
Transmission Media	10BaseT Cat. 3, 4, 5 UTP/STP, up to 100 m 100BaseTX Cat. 5 UTP/STP, up to 100 m 1000BaseTX Cat. 5 UTP/STP, up to 100 m
LED Indicators	**Per Port:** Input: PoE power in, Link/Act, Output: PoE power out, Link/Act
Power Requirement	Input: 24 -57Vdc, Output: 48Vdc
Power Consumption	3Watts (Max)
Dimensions	94*70.5*26mm (L x W x H) metal
Weight	230g
Operating Temperature	0 to 45℃
Storage Temperature	-20 to 90℃
Humidity	10 to 90% RH (non-condensing)
Certifications	FCC Class A, CE

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