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Product Bulletin

Power over Ethernet (PoE) Injector

Industrial PoE/PoE+ Injector with Optional Power Supply Capabilities

For new or retrofit applications in need of maximum power without device limitations, these Power over Ethernet (PoE) injectors provide a high port count and up to 240 W of power.

- Choose between **active** (integrated power supply) or **passive** (standalone module) devices for **increased flexibility**, depending on your needs.
- Supports up to 240 W across 8 ports without load sharing, **ensuring maximum power output**. Each port can provide the maximum output power of 30 W.
- **Simple plug-and-play** capability and compact size saves time and space while automatically detecting connected devices.

Key Features

- Benefit from up to 8 available ports that deliver 30 W of power each
- Enable PoE communication with a high number of devices using just one PoE Injector
- Save costs with an all-in-one-solution and an efficient transfer of power (less wasted power) of >95 percent
- Use in extreme environmental conditions, including wide temperature ranges -25 °C to +70 °C
- Save space on the DIN Rail with a small form factor (77 x 39 mm)
- Install quickly and easily with automatic device detection and classification (IEEE 802.3at)
- Meet important industry standards
  Safety of Industrial Control Equipment: EN 60950-1, EN 61131-2, UL 60950
  Transportation: EN 50121-4

PoE injectors join Hirschmann's family of products built with industrial-grade housings and specific features to provide reliable power for industrial applications.

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Hirschmann PoE/PoE+ injectors are the easiest and most cost-effective way to add high PoE power to both new and existing applications.

Your Benefits

Maximum Power and Flexibility In One

Maintain your current infrastructure while adding PoE support for the future by including cost-effective Hirschmann PoE Injectors. These mid-span devices can be used to connect non-PoE switches with PoE devices – so you can rest easy knowing your system is getting the additional power its devices need without affecting your data.

Also, with eight full-power ports and a power efficiency of more than 95 percent you can streamline your cabinet layout. Use new technology and provide high efficiency, low waste power with the required number of ports in one single housing – instead of using multiple devices.

Available in two different variants with two different port counts:

- 4 or 8 ports with built-in wide range high voltage power supply
- 4 or 8 ports with low voltage power supply input

Applications

Whether you're looking for an active PoE injector with included power supply to tie into a new system, or a passive injector to add to the power supply already providing power to your cabinet – these injectors can satisfy the growing demand of energy-hungry devices, such as:

- Pan-tilt-zoom cameras
- Wireless access points

Markets

The need for more power is growing across many sectors, especially physical security and process and production automation applications. Further application areas include: automotive manufacturing, machine building, renewable energy, and water/wastewater.

Technical Information

Product Description				
Type	**RPI-P1-4PoE**	**RPI-A1-4PoE**	**RPI-P1-8PoE**	**RPI-A1-8PoE**
Description	Industrial, fanless Fast/Gigabit PoE Injector, PoE/PoE+ (IEEE 802.3at), 30W (25.5W at load) per port			
Port Type and Quantity	4 FE/Gig ports	4 FE/Gig ports	8 FE/Gig ports	8 FE/Gig ports
Order-No.	942 227-001	942 226-001	942 225-001	942 224-001
Availability	Q3/2021	Q3/2021	Available	Available
Power Requirements				
Operating Voltage	48 to 56 V DC	110 to 150 V DC and 100 to 240 V AC	48 to 56 V DC	110 to 150 V DC and 100 to 240 V AC
Power Consumption	125 W	160 W	245 W	280 W
Mechanical Construction				
Dimensions (W x H x D)	39 x 128 x 117 mm	64 x 128 x 117 mm	39 x 128 x 117 mm	77 x 128 x 117 mm
Weight	280 g	780 g	360 g	900 g
Protection Class	IP20			
Ambient Conditions				
Operating Temperature	-25 °C to +70 °C	-25 °C to +70 °C	-25 °C to +70 °C	-25 °C to +70 °C
Relative Humidity (non-condensing)	5% to 95%			
MTBF (SN29500, IEC 61709)	152 years (48 V/2.7 A)	137 years (48 V/2.7 A)	152 years (48 V/5.4 A)	137 years (48 V/5.4 A)
Approvals				
Safety of Industrial Control Equipment	EN 60950-1, EN 61131-2 , cUL60950-1 (pending)			
Transportation	EN 50121-4			
Accessories				
Power Supply	RPS 260/PoE EEC	–	RPS 260/PoE EEC	–

NOTE: These are the prominent technical specifications. For complete technical specifications visit: www.hirschmann.com