Axis EN

PENN Peripheral Expanson Network Node

The Peripheral Expansion Network Node (PENN) provides the functionality of the Axis EN Series Fire Alarm Control Panels for use in bespoke graphical mimic, connecting remote inputs and outputs directly to the network, and other special build applications.

The PENN allows a comprehensive range of peripherals to be connected to the network without having to install additional panels.

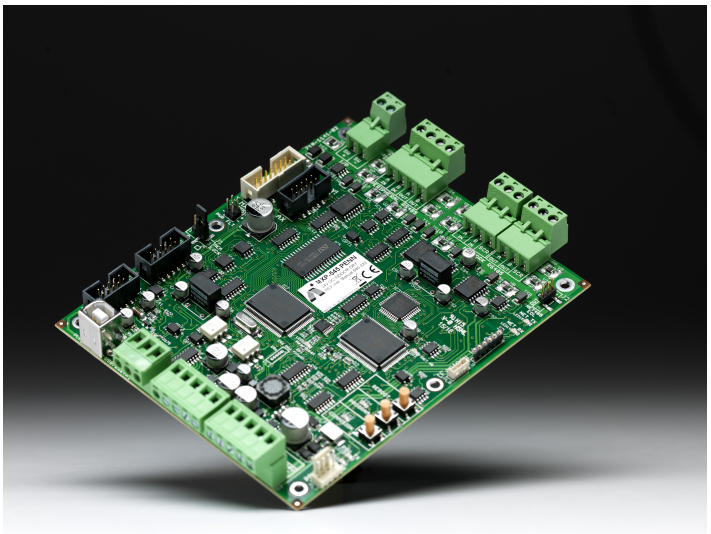
Compatible expansion cards include Input (MXP-537), Relay (MXP-035), Mimic driver (MXP-539), 16-way Switch (MXP-538), Fan/Damper Control (MXP-543), Zone Monitor (MXP-536), Sounder (MXP-034) and ESPA Pager Interface (MXP-547).

Accessories such as a Display Card (MXS-504), Printer (MXP-512), and LED Indicators (MXP-513-xxx) can also be added.

The PENN is pre-built to include either a Standard network or a Fault Tolerant (FT) network interface

The unit is designed for easy wiring installation. “Plug-in” terminal blocks are provided for all connections to the unit. RS232, as well as USB (Type B), are built-in.

The PENN is designed to be installed directly to mounting chassis plates, such as MXM-515-6U, MXM-515-8U, etc. using six fixing screw positions. The chassis assembly can be mounted into MX-5000 and MX-5000R enclosures.



Features

- Lets you install peripherals in remote locations without an additional panel
- Dual Feed 24V DC Power Supply Inputs
- Network in-built – either Standard or Fault Tolerant
- Up to 32 Nodes in Standard configuration and Up to 200 Nodes in FT configuration
- Supports up to 32 PBUS modules (16 of any one type)
- Option to connect standard MX-5000 Display and/or MXP-512 internal printer and/or MXP-513 LED cards
- Switch Input – General purpose or External PSE fault monitor
- RS232 Interface – PC Configuration, External Printer or MXP-547 ESPA
- USB Interface – PC Configuration

Specifications

Power Supply	15-30V DC (24V DC Nominal) – Dual Feed monitored inputs
Supply Current	Standard: 65 mA, Fault Tolerant: 90 mA (typical at $24V_{DC}$)
Operating Temperature Range	-5°C - 49°C
Humidity (non condensing)	95% RH
Dimensions H x W x D	153 x 127 x 25 mm
Wire Gauge	0.5 mm^2 - 2.5 mm^2 (12-24 AWG)
Switch Input	Non-monitored / Monitored (3K3 EOL, 680R active)
Network	Advanced Standard or Fault Tolerant (FT) RS485
PBUS	Advanced Peripheral Bus RS485
Serial Interfaces	USB and RS232 (Isolated)

Order codes and Options

MXP-545	PENN Interface Module - Standard Network
MXP-545/FT	PENN Interface Module - Fault Tolerant Network

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