MxPro 5

PENN Peripheral Expansion Network Node

The Peripheral Expansion Network Node (PENN) provides the functionality of the MxPro 5 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.

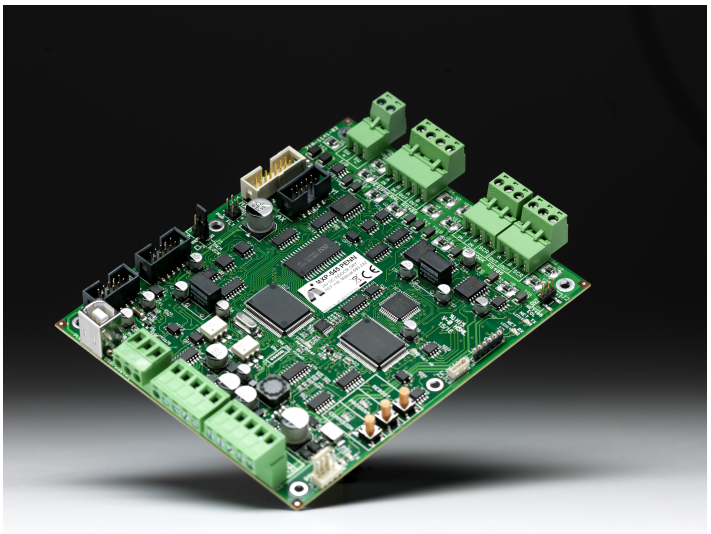
Compatible expansion cards include Input (MXP-537), Relay (MXP-035), Mimic driver (MXP-539), 16-way Switch (MXP-538), Fan/Damper Control (MXP-543), Zone Monitor (MXP-536), Sounder (MXP-034) and ESPA Pager Interface (MXP-547).

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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