Advanced

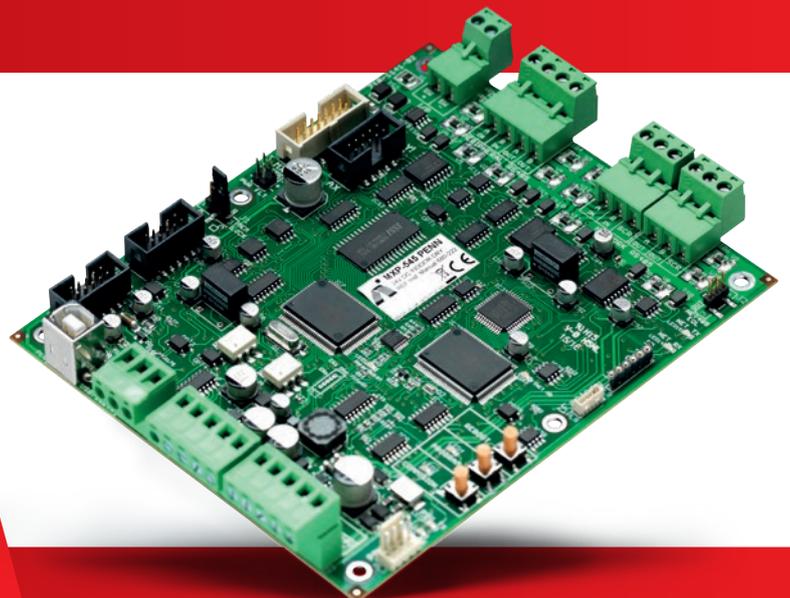# Penn

Powerful, versatile peripheral integration

‖‖Penn Peripherals without the Panel – Anywhere on the Network

The **PENN (Peripheral Expansion Network Node)** from Advanced is your key to unlocking greater power and versatility for your fire system.

Whether designed into new installations or retrofitted to existing systems, the PENN allows you to access Advanced's comprehensive range of peripherals without needing to install additional panels – saving you time and money.

The PENN:

- Allows you to expand/reconfigure your fire system without affecting the existing installation.

- Lets you install peripherals in locations that would be impossible to access by other means.

- Helps you to reduce costs and disruption by allowing remote inputs and outputs to be connected directly to the network instead of having to wire them back to a panel, which may be distantly located.

The PENN can be used to add a wide spectrum of features to Advanced's MxPro 4, MxPro 5 and Axis EN fire panel ranges.
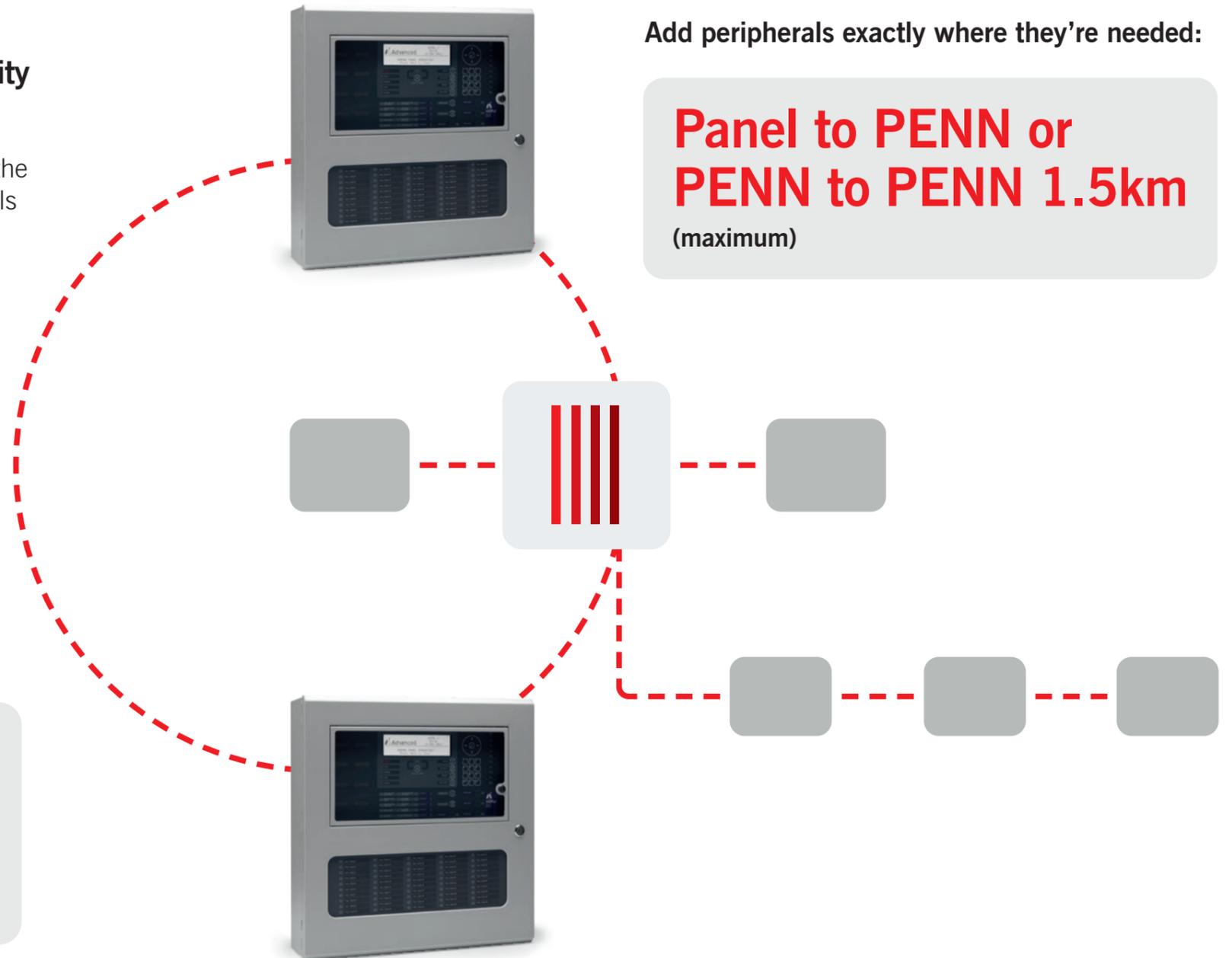
Dynamix Tools

As you'd expect from Advanced, PENN configuration is straightforward using our DynamixTools software, but should you need any help, free technical support is included as standard.

Add peripherals exactly where they're needed:

Panel to PENN or PENN to PENN 1.5km
(maximum)

Add up to

6,368

peripherals to the network

Penn

MXP-545 (Standard)
MXP-545/FT (Fault-Tolerant)

Input Card

Gather data from third party peripheral devices e.g. air sampling units, flow switches, door contacts, dampers etc.

- 10 individually programmable switch inputs
- Monitored for open/short circuits
- Connect 16 cards to give 160 additional monitored inputs

MXP-537

Fan/ Smoke Control

Integrate your fan and damper status monitoring and control into your fire system.

- Access smoke control and fire system data from one common central command centre
- Control up to 6 fans and/ or dampers per card
- Reduce time and cost through less cabling and by eliminating third party installation
- Auto/manual control and automatic testing

MXP-543

Peripheral Relay Card

Control ancillary equipment e.g. magnetic door latches, fans/dampers, vents, lifts etc.

- Ideal for when many relay outputs are required for simple on/off signaling or control
- Provides 4 individually programmable relay output circuits
- All outputs are synchronised
- 230V AC 5A/30V DC 5A programmable relay outputs

MXP-035

4-Way Programmable Sounder Card

Expand the control panel sounder circuit beyond the four built into our panels.

- 4 individually programmable and monitored sounder output circuits compliant with BS EN54-2: 1998 Clause 7.8
- 1A rated and monitored for open and short circuits so issues are immediately flagged
- Connect up to 16 cards to give up to 64 additional local sounder outputs
- All outputs are fully synchronised

MXP-034

Peripheral Bus I/O Card

Add LEDs and switches to panels for more precise indication and control.

- Connect up to 16 I/O cards per peripheral bus providing 768 outputs and 256 inputs
- Ideal for boxed mimic enclosures or sprinkler indication panels
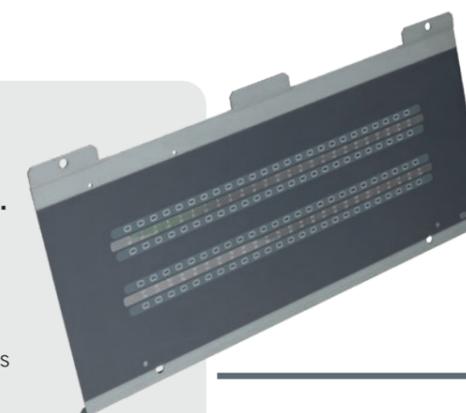- Optional relay expansion boards converting LED outputs to VFCO

MXP-539

Zonal LED Indicator Card

Add up to 2000 LED indicators to your system.

- Fully programmable
- Supports dynamic zoning to provide clear indication of events on the system
- Red and yellow LED indication options and slide-in labels

MXP-513

Penn

MXP-545 (Standard)
MXP-545/FT (Fault-Tolerant)

Pager Interface (ESPA)

Rapidly communicate critical fire system information to the Responsible Person's pager.

- Connect LifeLine or third party paging systems to the network
- Serial data connection to pager hardware
- Optional input for monitoring pager fault conditions
- Supports up to 8 configurable shifts per weekday/weekend
- Option to route specific event notification to specific pagers
- Compliant with all ESPA 4.4.4. pager systems

MXP-547

Thermal Printer

Quickly pass critical fire system information to the Responsible Person/firefighters.

- Automatic/on-demand printouts of event log/status information
- Easy access, front-loading for quick, easy thermal paper replacement
- In-built battery backup
- Fast and silent

MXP-512

Peripheral Switch Card

Manual control of any fire system function.

- 16 programmable switches
- 48 configurable LED indicators
- Configurable buzzer
- Fast input response

MXP-538

8-Way Programmable Zone Monitor Card

Connect conventional detection devices to an addressable system.

- Provides 8 individually programmable zone monitor circuits compliant with BS EN54-18: 1998 Clause 7.8
- Each zone is fully programmable
- Compatible with various brands of conventional device
- Connect up to 16 cards to give up to 128 additional zone monitor circuits
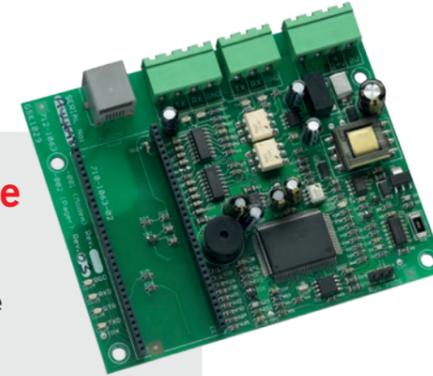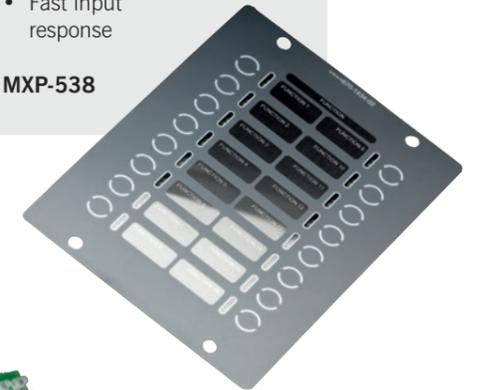
MXP-536

Display

Add supplementary displays where required on the network.

- LCD display
- 24 programmable LEDs
- 8 key switch connections
- Silence/repeat
- Evacuate button

MXS-504

Advanced

Made in
the UK

A **Halma** company