MxPro 5

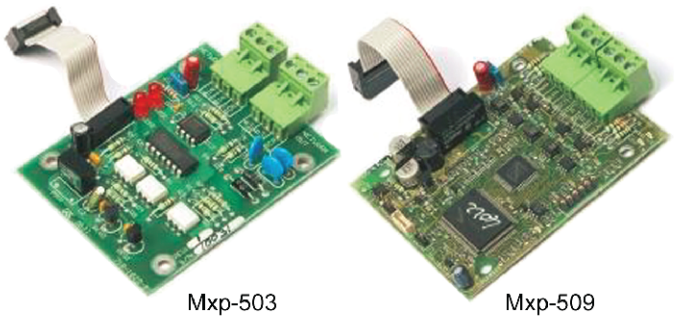
Network Cards

Advanced networking allows all MxPro 5 series control panels, remote terminals and network peripherals to be connected together using standard fire resistant two-core cable. It provides both the benefits of distributed intelligence and reduced installation costs whilst catering for the smallest two-panel network through to the largest 200-panel wide area networked system.

The network operates as a true peer-to-peer system allowing information from any input or output device to be passed over the network and displayed on any MxPro 5 control panel or remote terminal as required.

Simply adding and connecting a network card allows any MxPro 5 control panel or remote terminal to be networked. All other nodes on the system will be instantly aware of a panel as soon as it is given a valid network node address, allowing additional panels to be added at any time. All panels incorporate a network analyser providing valuable diagnostic and status information and also have the facility to prevent the transmission of fires or faults during commissioning.

For more complex systems, the Windows-based PC-NeT Mx configuration software allows sector based programming for Mute, Silence, Resound and Reset control keys as well as investigation delays, group disablement and test instructions. All panels within the same sector will share common controls and each panel or remote terminal can also be programmed to show specific network information on a zonal basis. For cause and effect, any input device can be programmed to operate any output device on any panel.



Mxp-503 Mxp-509

Features

- Large 200+ Panel Network
- Up to 1.5Km between Control Panels
- Windows based PC setup
- Network Systems share up to 1000 zones
- Network Analysis from Contol Panel

Specification

Network Connections	IN: A/B SCN(Screen) OUT: A/B SCN (Screen)
On-board Indication	2 Red LED's. LED 1 illuminates when data is transmitted LED 2 illuminates when data is received
Supply Current	Mxp-503 Standard Network card: 20mA Mxp-509 Fault Tolerant Network Card: 61mA (All power is taken directly from the panel motherboard)
Temperature range and Humidity	-5°C to 40C 95% non-condensing (maximum)
Dimensions (H x W x D)	85mm x 65mm x 20mm (Mounting pillars are provided on the panel chassis to mount this card)
Recommended Cable	2 Core twisted-pair plus screen

Order Codes and Options

MXP-503:	Standard Network Card
MXP-509:	Fault Tolerant Network Card
MXP-503F:	Standard Network Card fitted to a MxPro 5 control panel
MXP-509F:	Fault Tolerant Network Card fitted to a MxPro 5 control panel

Limitations

Standard Network
The maximum total cable length is 1.5km. The maximum number of network nodes is 32 (50 with signal buffer)

Fault Tolerant Network
The maximum cable length is 1.5km between each node, and the maximum total loop length is 20km. Each network card has inbuilt diagnostics and is fully monitored for both short and open circuit faults between nodes. The network is capable of withstanding a single fault between nodes without loss of communications to any single panel. The maximum number of network nodes is 200.

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