

Ethernet Gateway Card

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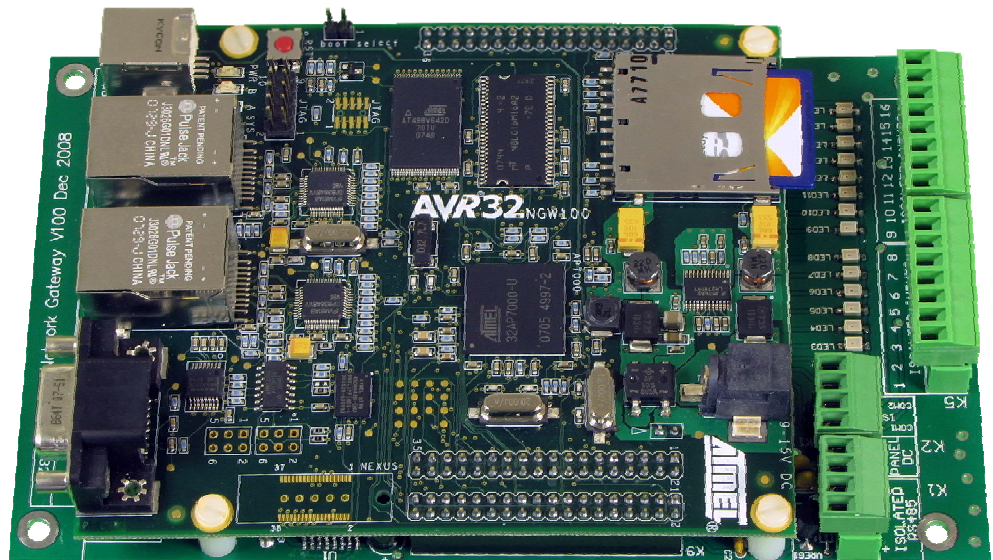
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The Pertronic Ethernet Gateway card enables Pertronic F120A analogue addressable panels to be interfaced to an Ethernet network. When used in conjunction with the Pertronic Graphics System it allows the remote management and monitoring of Pertronic Analogue Addressable Fire alarm panels from over an IP based Ethernet LAN, or even the Internet. Based on the very powerful AVR32 microprocessor, the Gateway card is able to deal with all the formatting, filtering and distribution of panel data to the ethernet, leaving the panel to deal with the important task of detecting and reporting of alarms.

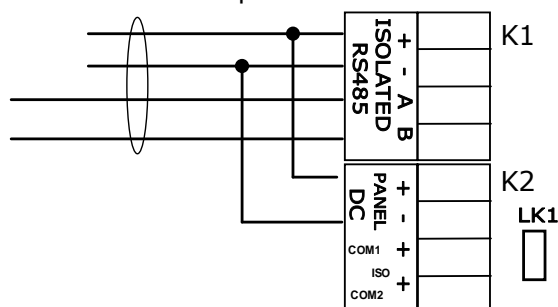
Typically mounted within the control panel itself, the gateway card collects all the data from the panel's RS485 mimic port and makes it available to suitable equipment, such as the Pertronic FireMap Graphics System, whereby the status of the panel can be shown pictorially with user control facilities for isolate, acknowledge and reset. The panel can even be driven remotely for operations such as viewing past events, checking detector status etc.

16 digital inputs are available to interface with other equipment to bring up alarms at the Graphics System, such as legacy conventional control panels.



Features:

- Standard TCP/IP Ethernet interface
- Panel RS485 to Ethernet data conversion
- Web based configuration interface
- Simple firmware upgrade by replacing onboard SD memory card
- Low quiescent current
- IP, Netmask and Gateway address configurable via web interface
- Internet clock option for accurate time stamping of events



Typical Wiring connection to control panel

Specifications:

Ethernet Interface

Number of Ports: 2 (1 reserved for configuration)
Speed: 10/100 Mbps
Connector: 8 pin RJ45

RS485 Interface

Number of Ports: 1
Speed: 9600 bps (19.2 kbps capable)
Connector: 4 pin screw terminal

RS232 Serial Interface

1 (Reserved for future use)

USB Interface

1 (Reserved for future use)

Dimensions:

165mm (L) x 100mm (W) x 27mm (H)

Direct Digital Inputs:

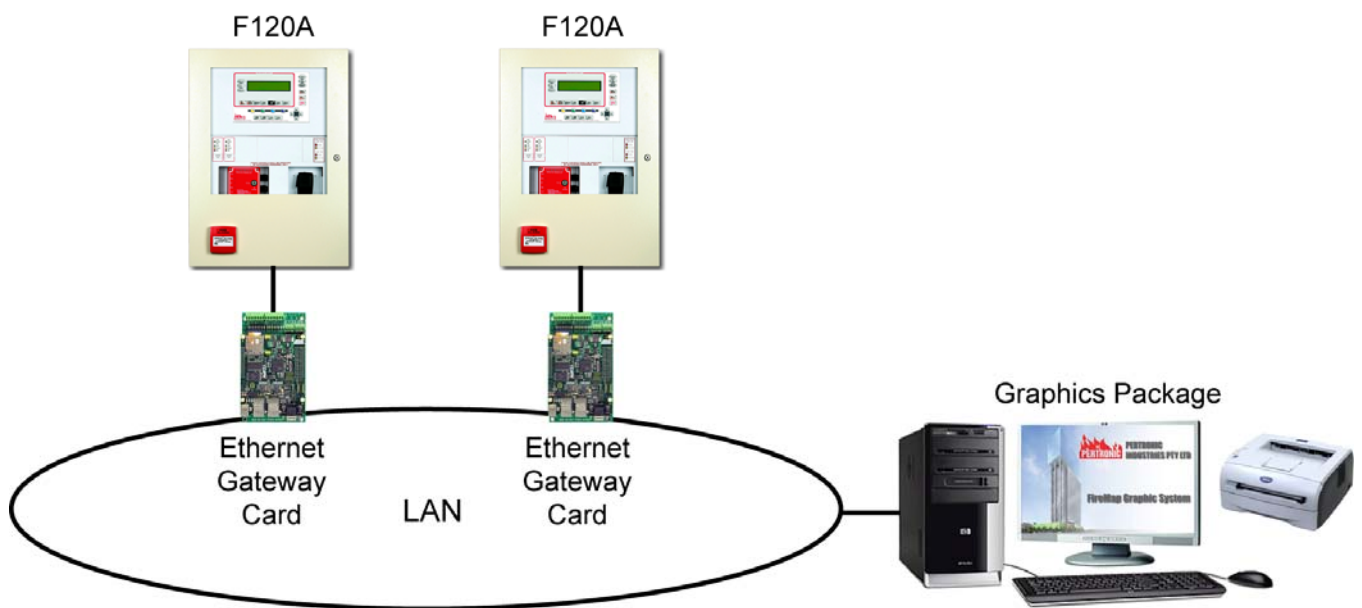
16 (for Graphics System interface)

Power Requirements

Operating Voltage: 27.6V \pm 10% (typical)
Quiescent Current: 9 mA from 4 wire RS485
56 mA from external supply (optionally isolated)

Environmental Limits

Operating Temperature Range: 0 to 30°C
Humidity: 10 to 95% RH (non-condensing)



Ordering Information:

Description

Network Gateway Card

Part Number

NETGATE

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