

Head Office

Wellington

PO Box 35-063
Naenae
Lower Hutt 5041
17 Eastern Hutt Rd
Wingate
Lower Hutt 5019
Tel (04) 567-3229
Fax (04) 567-3644

www.pertronic.co.nz

sales@pertronic.co.nz
tech@pertronic.co.nz

Auckland Office

PO Box 15-867
New Lynn
Auckland 0640
359 Onehunga Mall
Onehunga
Auckland 1061
Tel (09) 633-0226
Fax (09) 633-0228



ISO 9001: 2000

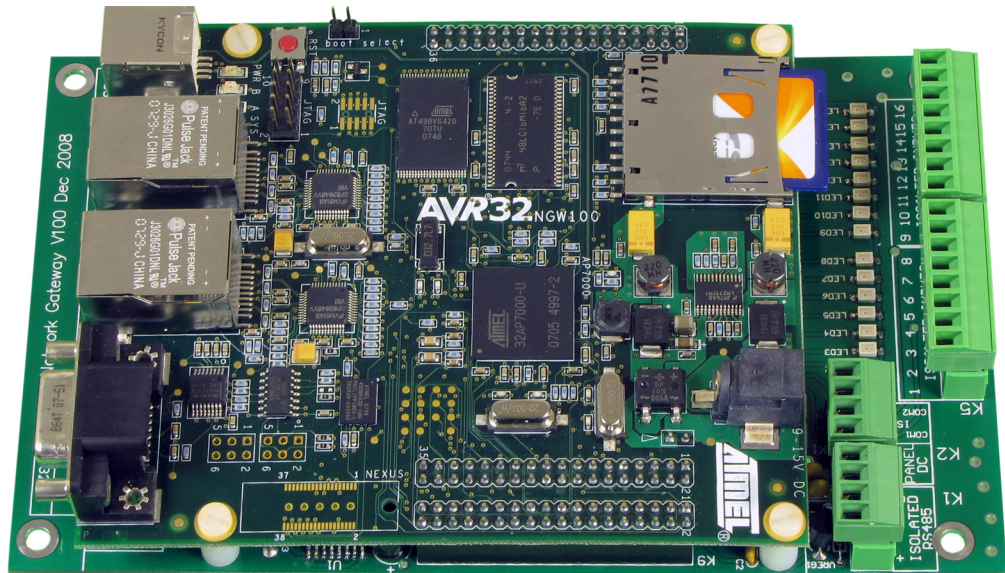
International
Standards
Certifications
QAC/R61/0051

Product Overview:

The Pertronic Ethernet Gateway Card enables Pertronic F120A and F100A analogue addressable panels to be interfaced to an Ethernet network. When used in conjunction with the Pertronic FireMap® 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

Specification:		
Electrical:	Operating Voltage 27.6V ± 10%	Quiescent Current 9 mA from 4 wire RS485 plus 56 mA from external supply
Environmental:	Operating Temperature Range 0 to 30°C	Humidity 10 to 95% RH (non-condensing)
Mechanical:	Dimensions (H x W x D mm) 27 x 165 x 100	Weight 200 g

▶ **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)

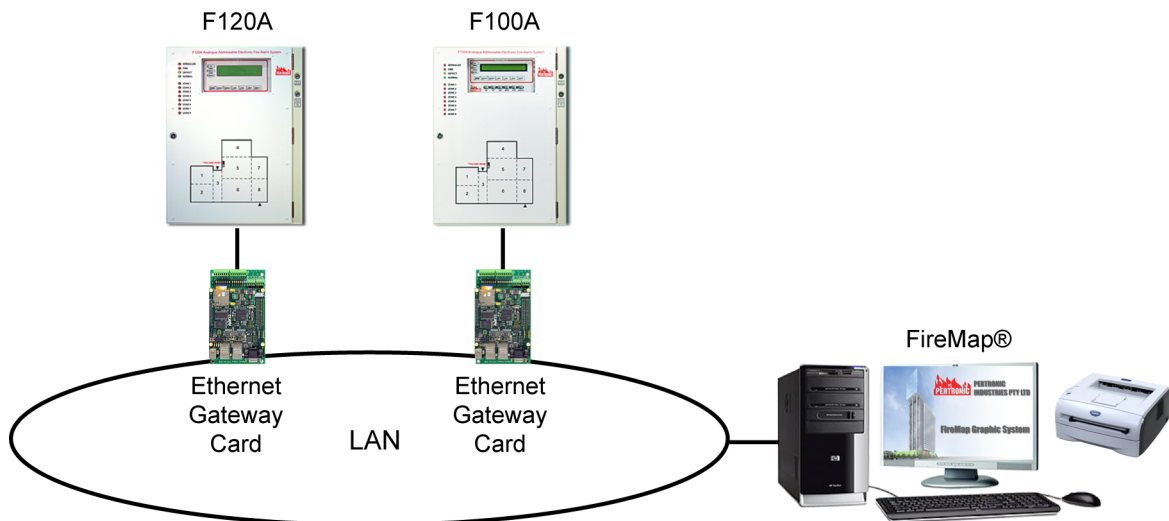
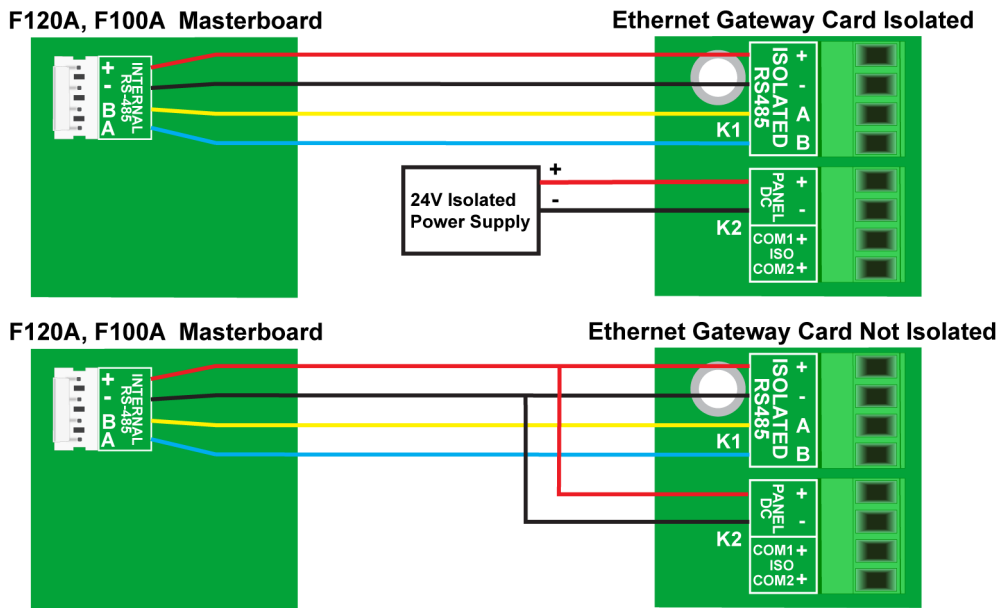
▶ **USB Interface**

1 (Reserved for future use)

▶ **Direct Digital Inputs**

16 (for Graphics System interface)

Connection Diagram:



Product Codes:

Code	Description
NETGATE	Network Gateway Card

PERTRONIC INDUSTRIES LTD

Head Office:

17 Eastern Hutt Rd, Wingate, Lower Hutt 5019
 Telephone (04) 567-3229 Fax (04) 567-3644

www.pertronic.co.nz
 sales@pertronic.co.nz
 tech@pertronic.co.nz

Auckland Office:

359 Onehunga Mall, Onehunga, Auckland 1061
 Telephone (09) 633-0226 Fax (09) 633-0228

'Pertronic' and 'Firetronix' are registered trademarks of Pertronic Industries Ltd