

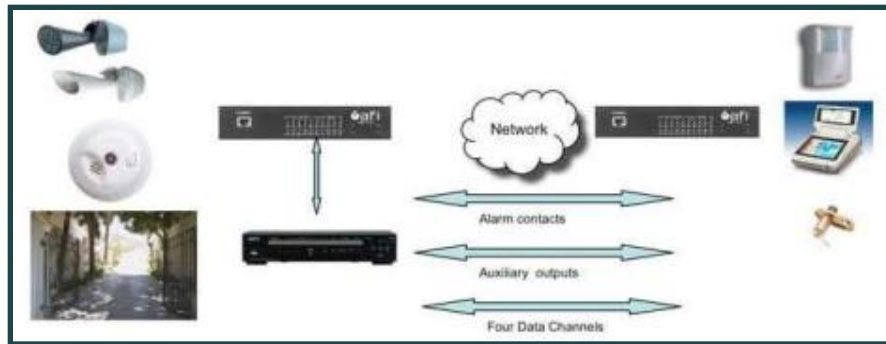
Net I/O

Network “Tunneling” Communication Devices



Net I/O N-664

Network Communication Appliance



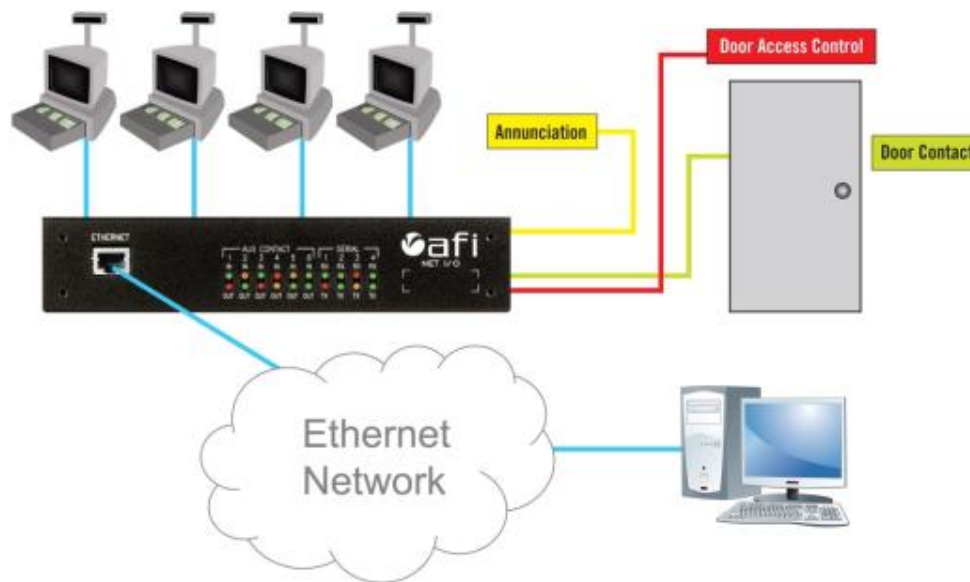
Pilot Integration!

- 6 Contact Closure Inputs
- 6 Contact Closure Outputs
- 4 RS232/RS422/RS485 Com Ports
- E-mail and TCP/IP messaging
- Tunnels to :
 - Other Net I/Os
 - Commanders & Scouts



Net I/O – Real World “Contact”

NETWORK “TUNNELING” COMMUNICATION DEVICES





- TCP Messaging
- E-mail Notification
- Titles on all Alarms/Auxiliaries, and Data Channels



Net I/O Series

Network Communication Appliances



Network I/O Module

RS Data Channel, Alarm Input, Relay Output, 10/100 Base-T Port

FEATURES:

- Ethernet Connectivity
- Link and Activity Indicators
- Stand Alone or Network Tunnel
- Software Configured RS232, RS422 or RS485 RFC2217 Port
- Alarm and Relay Status Indicators
- Email on Alarm
- TCP Messaging on Alarm
- Web Browser, Web Browser, Telnet or RS232 Port Programming Interface
- User Titles to Name Locations
- ICMP Watch Dog
- PoE Powered or Local 12Vdc
- API Available

SPECIFICATIONS:

ETHERNET:

Data Rate: Auto negotiated 10/100 Mbps
Connector: RJ45

RS DATA - RFC2217 Compliant:

Standard: RS232 or RS422 or RS485
Data Rate: 300 to 115K Baud
Connector: DB9 (DTE)

ALARM IN

Potential free contact required.
User programmable:
Normally Open or Normally Closed
Supervised or Unsupervised

AUXILIARY OUTPUT

Form C Relay
Voltage: 40 VDC or Peak AC
Current: 1 A Max

POWER


PoE: Class 2
Current: 100 mA
Connector: 2 Pin Terminal Block
Local Power:
Voltage: 12 VDC
API Port #: PS-10D

PHYSICAL:

Temperature: -40 °C to 75 °C
Humidity: 5 % to 95 %
Size: 4.1" x 4.1" x 1.1"

81111 JPK

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The American Fibertek N-111 Network I/O module is your solution for transmitting, real world alarm contact, auxiliary output and RS232 or RS422/RS485 data across networks.

With its easy to use web interface, an alarm contact generated at one location can trigger auxiliary outputs any where on your network. For the first time, physical contacts no longer have any distance limitations.

The N-111 module may be PoE powered from a 48V source through the network connection or from a local 12Vdc power supply which is provided with the unit.

With its built in user programmable data port for RS232 or RS422/485, the N-111 can be used to carry information from Cash Registers, Point of Sale, Access Control and Alarm Panels to and from remote locations.

The American Fibertek N-111 is also your solution for monitoring server status across networks. With its easy to use web interface, the local auxiliary output may be triggered when a server fails to respond to a network ICMP ping within a user selectable amount of time. This local auxiliary output may be used as a trigger to reset or reboot the system back online avoiding costly service calls or service interruption.

Also, when a selected server fails to respond, an email or TCP message may be sent from the N-111.

ORDERING INFORMATION:

N-111 Network I/O Module

- 1 Contact Closure Inputs
- 1 Contact Closure Outputs
- RS232/RS422/RS485 Com Ports
- Watchdog Feature
 - Ping
 - Remote Power Reset Function
- **Titles!**
- **E-mail and TCP/IP message**
- Tunnels to :
 - Other Net I/Os
 - Commanders & Scouts



Net I/O N-111

PoE !

"Ping"!

afi

N-111
NET I/O

Network I/O Module

RS Data Channel, Alarm Input, Relay Output, 10/100 Base-T Port

FEATURES:

- ◆ Ethernet Connectivity
- ◆ Link and Activity Indicators
- ◆ Stand Alone or Network Tunnel
- ◆ Software Configured RS232, RS422 or RS485 RFC2217 Port
- ◆ Alarm and Relay Status Indicators
- ◆ Email on Alarm
- ◆ TCP Messaging on Alarm
- ◆ Web Browser Programming Interface
- ◆ API Available
- ◆ PoE Powered or External 12V

SPECIFICATIONS:

ETHERNET:

Data Rate:
Auto negotiated 10/100 Mb/s
Connector..... RJ45



TCP Messaging For
VMS Integration!



afi
american fibertek

E- Mail and TCP Messaging

(Commander, Scout & Net I/Os)

The screenshot displays the NetIO N-664 web interface within a Windows Internet Explorer browser. The browser's address bar shows the URL `http://192.168.1.120/index.html?form=5`. The page title is "NetIO N-664 - NoC Somerset, NJ" and the date is "Fri, 18 Jan 1980 02:16:41 GMT".

The interface features a left-hand navigation menu with the following items: Operator Setup, Global Settings, IP Ethernet Setup, Time/Date Setup, NTP Setup, Alarm Setup (highlighted), Aux Setup, Communications, and Reboot Net I/O. The main content area is titled "Alarm Setup" and is divided into two sections: "Alarm in 1" and "Alarm in 2".

Alarm in 1 Configuration:

- Event: WAREHOUSE DOOR
- IP:PORT 1: 192.168.1.160.23
- IP:PORT 2: 192.168.1.160.23
- Virtual Aux 1: 192.168.1.163.23
- Virtual Aux 2: 192.168.1.163.23
- Message Alarm: WAREHOUSE DOOR BREACHED
- Message Clear: ACKNOWLEDGED
- Message Alarm: WAREHOUSE DOOR BREACHED
- Message Clear: ACKNOWLEDGED
- Aux 1: on, 0 seconds
- Aux 1: on, 1 second
- Aux 1: on, 1 second

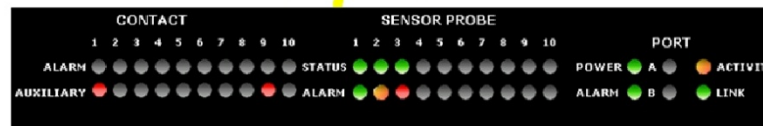
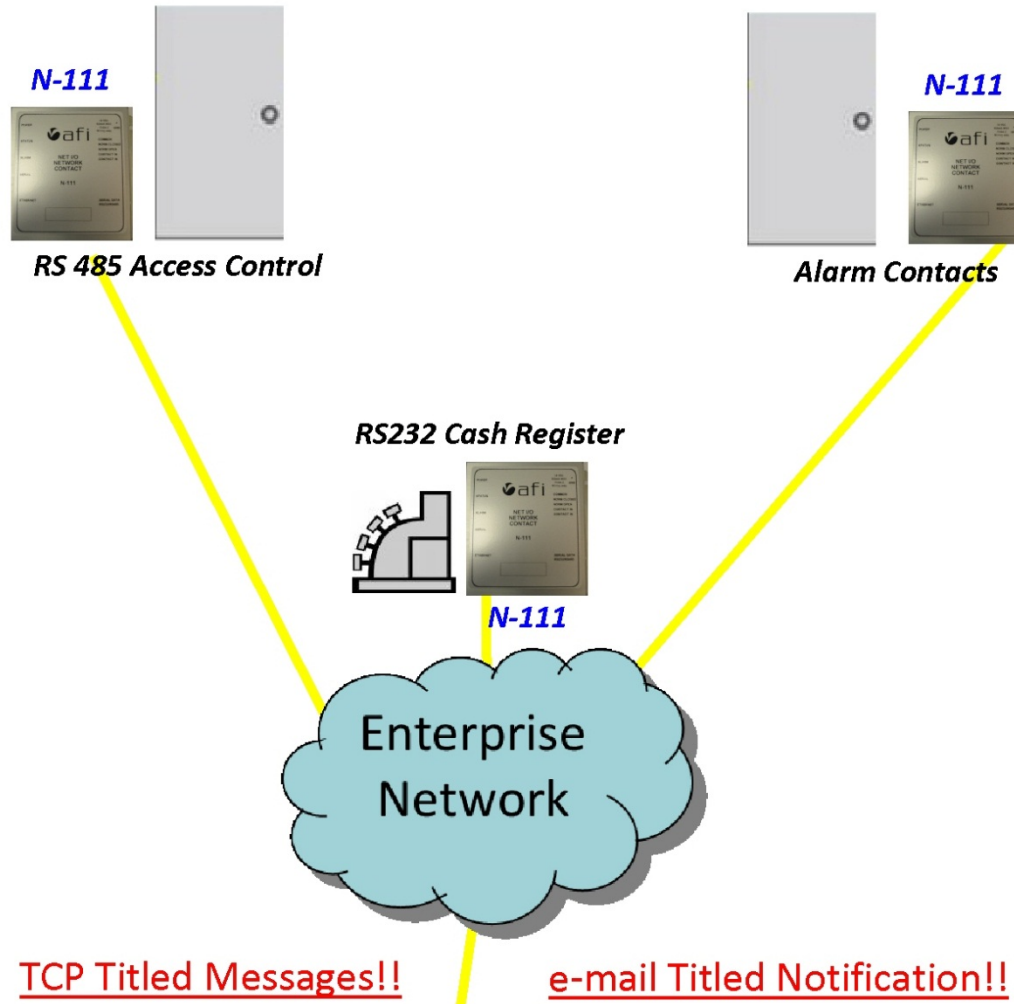
Alarm in 2 Configuration:

- Event: WINE CELLAR
- IP:PORT 1: 192.168.1.160.23
- IP:PORT 2: 192.168.1.160.23
- Virtual Aux 1: 0.0.0.0
- Virtual Aux 2: 0.0.0.0
- Message Alarm: WINE CELLAR DOOR MOTION DETECTOR
- Message Clear: ACKNOWLEDGED
- Message Alarm: WINE CELLAR DOOR MOTION DETECTOR
- Message Clear: ACKNOWLEDGED
- Aux 2: on, 0 seconds
- Aux 2: on, 0 seconds
- Aux 2: on, 0 seconds

Each configuration section includes "TEST" buttons for the Alarm and Clear messages, and "ON/OFF" buttons for the Aux settings.



A Virtual Hardware Network!



Scout, Net I/O or Commander Data & Alarm Outputs!

