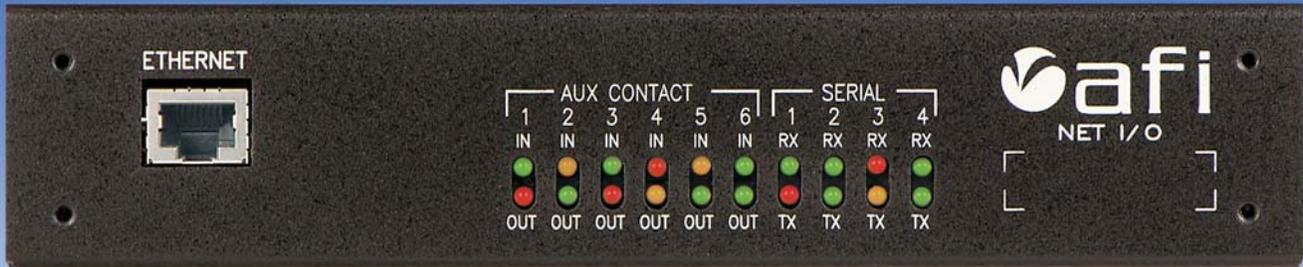


# afi

american fibertek

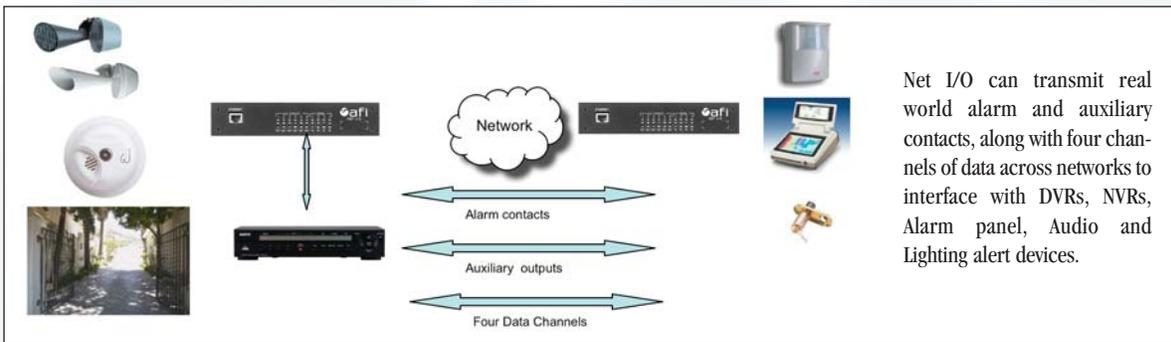
## Net I/O

Alarm/Auxiliary/Data  
Network Communication Center

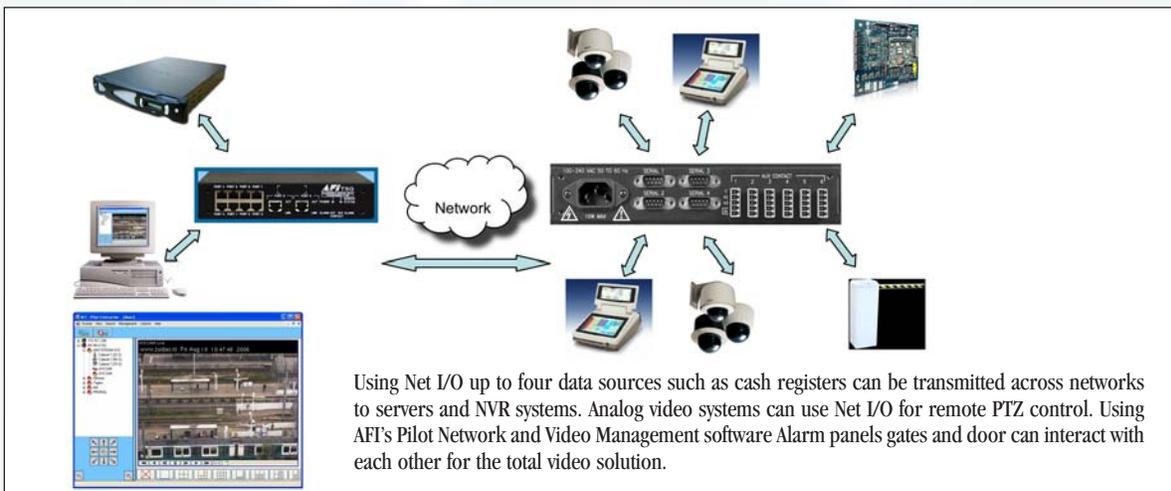


Net I/O is your solution for transmitting, real world alarm contacts, auxiliary outputs and data across networks. With its easy to use web interface, alarm contacts generated at one location can trigger auxiliary outputs any where on your network. For the first time, physical contacts no longer have any distance limitations.

With it's built in four user programmable data ports for RS 232 or RS 485, Net I/O carries information from Cash Registers, Point of Sale, Access Control and Alarm Panels from remote locations. Net I/O is so versatile, it hard to think where it wouldn't benefit your existing or new system application.



Net I/O can transmit real world alarm and auxiliary contacts, along with four channels of data across networks to interface with DVRs, NVRs, Alarm panel, Audio and Lighting alert devices.



Using Net I/O up to four data sources such as cash registers can be transmitted across networks to servers and NVR systems. Analog video systems can use Net I/O for remote PTZ control. Using AFI's Pilot Network and Video Management software Alarm panels gates and door can interact with each other for the total video solution.

## Features:

**Ethernet connectivity:** Net I/O has an 10/100 auto sensing Ethernet port which can be enabled or disabled under operator control with programmable IP address, Netmask and Gateway with DHCP.

**Security:** Net I/O is protected with required and programmable user names and passwords.

**Built in Watchdog:** You're always assured of Net I/O's continued operation. If any of Net I/O's function cease operation for more than 10 seconds the system's internal watch dog will automatically reset itself.

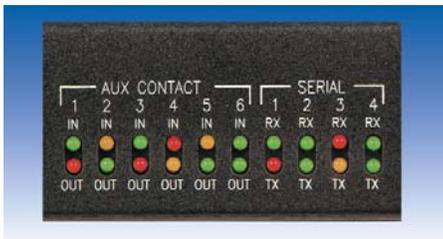
**Reboot by serial or Ethernet Command.** Net I/O is built with reliability in mind. But should a reboot be required operators with the required permission levels can reboot Net I/O by using either a serial or Ethernet port connection.

**Naming Convention:** Operators can apply a name for each Net I/O to note location or function.

**Wide Web Browser:** Net I/O's self contained web browser can be used with most common computer operating systems and web browser without the need for any client software.

**Six Alarm inputs and Auxiliary Outputs.** With six alarm inputs an auxiliary outputs programmable for any combination reactions using Net I/O's self contain web browser, hundreds of different combinations can be programmed.

**LED Status readout:** Front panel LED indicate status for all alarm inputs, auxiliary outputs and data channels. Normal conditions are displayed as Green, Warnings as Amber and alarm conditions as Red.



**RFC-2217 Compliant Serial Communication Ports.** Net I/O's four serial ports act as virtual serial ports. Using standard RFC-2217 protocol these ports are easily recognized by most computer operating systems making Net I/O the perfect integration module for extending ports across networks for any computer based application. Each of these ports can be individually and independently and individually enabled, disabled, configured as RS 232, RS 485, 2 or 4 wire. Any combination of ports can be configured as masters or slaves.

**Three Configurable Web Pages:** Net I/O provides the flexible set up to meet any application. Three web pages are available for configuring all Net I/O functions. The network set up page provides settings for all network functions. An alarm and auxiliary page allows operators to configure individual or group settings for alarm inputs and auxiliary outputs. Alarm inputs can be set to normally open or normally closed. Auxiliary contacts can be configured to be default to on, off or latch to the previous value at power off conditions.

**Two different Status View pages:** Net I/O provides two different status view. A graphics page offers a complete view of all front panel status allowing Net I/O to be mounted in racks or data closets without satisfying the ability to immediately and visually know active alarms, auxiliaries and data ports.

For integration Net I/O can generate a status page using common XML language. The page can be generated on command over the network.

**Operator Auxiliary Control:** Using Net I/O's web pages operators can remotely close and open doors, active audible and visual alerts by point and click to any of Net I/O's six auxiliary outputs.

**Real-Time clock/calendar:** Net I/O assures you are always up to date with a battery protected time and

date generator. Using Network Time Protocol, Net I/O can be interfaced with other security network components to maintain reliable time and date event certification.

**Event Logging and Recall:** Net I/O records log events, including alarm inputs and auxiliary changes, connections and disconnections to serial ports and power on/off events. Operators can recall these events and view complete logs.

**Net I/O to Net I/O Tunneling:** Net I/O can be configured to communication with other Net I/O's across networks. Alarms generated at one location can be used to trigger auxiliaries at other network locations. Using Net I/O alarms at any network locations can trigger alarm input contacts at local DVRs and alarm panels.

**Email on Alarm:** Net I/O keeps you informed with the ability to send emails resulting from alarm and auxiliary changes.

**Net I/O: Part of AFI's Open Path:** As part of AFI's Open Path policy, we make integrating Net I/O's function into any system easy. Net I/O sends out standard XML language packets for each alarm change and complete unit status on a periodic basis.

### PRODUCT SPECIFICATIONS

Power	100-240 VAC @ 50Hz/60Hz
Physical Dimensions	(H) 1.63" x (D) 4.25" x (L) 8.5" (H) 41.4mm X (D) 108mm x (L) 215.9mm
Weight	1 pound (.45 kilogram)
Network	RJ 45 Ethernet female connector 10/100 Base T
Data ports 1-4	Male DB9 RS 232/RS485 user Programmable.
Alarm in 1-6	Programmable as NO or NC for Alarm action, with contact to Ground.
Maximum distance	24 Ga 100" 16 Ga 500"
Auxiliary out 1-6	Form C
Maximum distance	24 Ga 100" 16 Ga 500"

### Environmental Specifications

Operating Temperature Range	-22 F to 167 F (-30C to 75C)
Operating Humidity Range	0-95%
Storage Temperature Range	-22F to -185 (-30 to 85C)

### Electrical Compliance

FCC	CFR Title 47, Part 15 Class A
CE	EN 55022 Emissions EN 55024 Immunity EN 61000-3-2 Line Harmonics EN 6100-3-3 Power Line Flicker

Safety UL/CE	IEC 61010
-----------------	-----------