SMARTEYE CORPORATION

If you have a highly concentrated reader layout that requires Ethernet connectivity or the need to upgrade from an existing SEA-8 controller platform, the Multi-netx is your best choice. It provides support for up to eight (8) Smarteye readers and is totally downward compatible with its SEA-8 predecessor…it even fits in the same NEMA-12 enclosure. This allows a seamless upgrade of old SEA-8 controllers leaving all the existing Smarteye reader equipment and wiring in place. As with all Smarteye products, the Multi-netx's rugged and compact packaging is designed to withstand the harshest material handling environments.

Product Features

Supports Standard Smarteye Readers
◆ SP1050 Sender/Receiver Series

Status Indicators
◆ 24V and 3.3V Power LEDs
◆ Transmit and receive LEDs for each communication port

Reader Inputs (8)
◆ Optically isolated signals
◆ Plug-in spring clamp terminal connections
◆ Reader may be located up to 1500' away using Belden 9773 cable or equivalent

Ethernet Control Port
◆ 10BASE-T Ethernet interface RJ45
◆ Client or server functionality selectable
◆ Selectable handshake/poll mode
◆ Link and Activity LEDs

Network Capability
◆ Configurable using standard web browser
◆ Built-in HTML based history viewer, for label reads, error codes, and diagnostic messages
◆ Supports DHCP for automatic IP address

◆ Supports time server for automatic on board chronometer synchronization
◆ Compatible with SEA-8 and Twin message protocols

Serial Control Port
◆ Selectable RS232/485
◆ Selectable baud rate up to 57.6K baud
◆ Selectable odd parity/no parity
◆ Selectable handshake/poll mode
◆ Switches for line termination and passive biasing
◆ Plug-in spring clamp connections

Auxiliary Serial Port
◆ RS232 (up to 50' point-to-point)
◆ Selectable baud rate up to 57.6K baud
◆ Selectable odd parity/no parity
◆ Control port monitoring of labels, errors, diagnostics, and messages in and out
◆ Configuration of Multi -netx set-up parameters
◆ Standard 9 pin D-shell connection

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R1

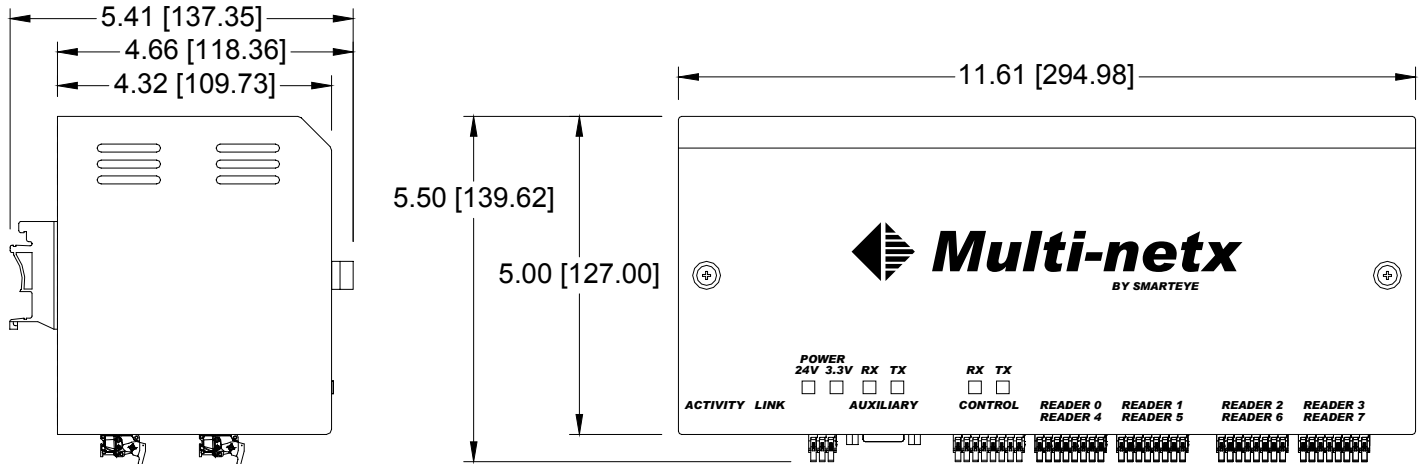**SMARTEYE** … In Control

Environmental Specifications

- Operating temperature: 0-60 ˚C
- Humidity: 95% non-condensing

Power Requirements

- 28W @ 24VDC

Models Available

- SP4060/01 DIN rail mount, 24VDC power
- SP4061/01 NEMA-12, 24VDC power
- SP4061/04 NEMA-12, 110/220VAC
- SP4062/02 SEA-8 Upgrade Kit

5.41 [137.35]
4.66 [118.36]
4.32 [109.73]

11.61 [294.98]

5.50 [139.62]
5.00 [127.00]

POWER
24V 3.3V RX TX   RX TX
ACTIVITY LINK   AUXILIARY   CONTROL
READER 0   READER 1   READER 2   READER 3
READER 4   READER 5   READER 6   READER 7

Electrical Interconnections

AUXILIARY
PORT HOOKUP

TO USER
DISPLAY TERMINAL

FOR
READER HOOKUP

FROM
SMARTEYE
MULTI-NETX
AUXILIARY
PORT

2-TRANSMIT
3-RECEIVE

5-SIGNAL GROUND

9-PIN
MALE D-SHELL

BLACK — SIGNAL GROUND
GREEN — RECEIVE
RED — TRANSMIT
WHITE — NC
SHIELD — EARTH GROUND

RS-232
BELDEN 8723

24V POWER HOOKUP

SHIELD

+   -   SHIELD

NOTE: FOR MODELS SP4060/01 & SP4061/01

110V POWER HOOKUP

N   L

110/240VAC

NOTE: FOR MODEL SP4061/03

RJ45
FEMALE CONNECTOR
ETHERNET (TIA568B)

PIN 1 - TX+
PIN 2 - TX-
PIN 3 - RX+
PIN 4 -
PIN 5 -
PIN 6 - RX-
PIN 7 -
PIN 8 -

FROM
FIELD

1 2 3 4 5 6 7 8

+   -   A   B   C   SHLD   SHLD   SHLD

RED (PHOTOEYE +)
BLACK 1 (PHOTOEYE "A")
DRAIN
WHITE (PHOTOEYE -)
BLACK 2 (PHOTOEYE "B")
DRAIN
GREEN (NC)
BLACK 3 (PHOTOEYE "C")
DRAIN

BELDEN 9773 CABLE

OPTIONAL JUNCTION BOX