

# Smart Netbox with Firewall/VPN

## General Description

Smart Netbox with the added Firewall/VPN package is a high performance VPN router/firewall appliance that provides and protects ethernet-to-ethernet and modem-to-ethernet connections like industrial network to business network, or industrial networks/devices connected to remote sites via the internet.

Powerful security features block dangerous and/or unwanted communications from entering your network. A four port ethernet switch is standard, with options for a fiber interface and a phone modem.

Optionally, a PCI-104 interface, can support up to 3 boards, for add-on options such as wireless, radio or cellular modems, or additional ethernet ports.

The appliance uses very little power, allowing it to be powered by solar or inexpensive batteries. Alternatively, PoE (Power-Over-Ethernet) support is included.

Smart Netbox runs without fans or heat sinks in the temperature range of 0° to 60°C, and uses a SuperCap rather than a battery for the real-time clock backup, thus removing the need for battery maintenance.

## Features

- ◆ Ruggedized hardware with aluminum case for industrial environments
- ◆ Configurable multi-port firewall, with copper and an optional fiber connection
- ◆ Compatible with industrial ethernet protocols (Modbus/TCP, Ethernet/IP, etc.)
- ◆ Stateful inspection firewall security
- ◆ Multiple VPN tunnels with fast compression and encryption
- ◆ NAT/IP Masquerading
- ◆ SYN Denial of Service
- ◆ PPTP
- ◆ DHCP/BOOTP Server and BOOTP gateway/relay
- ◆ Port Forwarding
- ◆ Blacklisting
- ◆ License for unlimited, simultaneous users
- ◆ Pre-defined configuration templates reduce install time

## Hardware

- ◆ One 100BaseT RJ-45 WAN w/ PoE (variable fiber optic interface option), (3) 100BaseT RJ-45 LAN ports
- ◆ Options:
  - (1) 10/100 Fiber port (multi-mode or single-mode), SC/ST connectors
- ◆ (5) RS-232 Serial ports
- ◆ Optional Phone Modem or RS-485 port
- ◆ Compact Flash socket (SD Flash optional)
- ◆ 0 ~ 60°C operating temperature, -20 ~ 75°C storage temperature
- ◆ 0 ~ 95% R.H (Non-Condensing)
- ◆ Dimensions: (WxDxH) 5.75 x 6 x 1.5 in, 146.1 x 152.4 x 38.1 mm
- ◆ Aluminum Chassis with fanless design, DIN-rail mount
- ◆ Power: 1 ~ 48VDC or PoE
  - Optional industrial DIN-rail mount power supply (ICO-PS1524)



This feature-rich, value-priced Router is prepared to meet your needs -- it's the *Smart* choice!

Specifications	
<b>Processor</b>	166MHz 32-bit ARM9 CPU
<b>User Memory</b>	63MB RAM
<b>Memory Bus Speed</b>	125MHz
<b>Removable Memory</b>	Compact Flash, (SD Card socket <i>optional</i> )
<b>Real Time Clock</b>	Battery Free, SuperCap backup good for ~60 days
<b>Communication Ports</b>	(5) RS-232 ports, (1 w/ handshake lines) (4) 10/100BaseT Ethernet ports (w/ 2 unique host interfaces-MAC ID's) (1) Fiber interface via standard 1x9 mounting site ( <i>optional</i> ) (ST or SC connectors, Multi-Mode & Single-Mode available)
	(1) RS-485 port or (1) Phone Modem port ( <i>optional</i> )
<b>Input Voltage Range</b>	12 ~ 48 VDC or Power Over Ethernet (POE)
<b>Power Requirements</b>	2W max, up to 8W with added PCI-104 cards
<b>Operating Temperature</b>	0 ~ 60°C
<b>Storage Temperature</b>	-20 ~ 75°C
<b>Humidity</b>	0-95%, non-condensing
<b>Dimensions (HxWxD)</b>	5.75 x 6 x 1.5 inches, 146.1 x 152.4 x 38.1 mm
<b>Packaging</b>	Fan-less/Disk-less system Aluminum DIN-rail mount enclosure
<b>Other Features</b>	(4) LED's for system control indication RoHS compliant

\* *Specifications subject to change without notice.*

Ordering Information	
<b>Base Units</b>	
<b>SMN11</b>	Smart Netbox
<b>SM-FW</b>	Smart Firewall / VPN Package
<b>Hardware Add-ons</b>	
<b>SM-MDM</b>	Smart Internal Phone Modem
<b>SM-485</b>	Smart RS-485 2 wire interface
<b>SM-FMSC</b>	Multi-mode Fiber Optic Interface, SC Connector
<b>SM-FMST</b>	Multi-mode Fiber Optic Interface, ST Connector
<b>SM-FSSC</b>	15km Single-mode Fiber Optic Interface, SC Connector
<b>SM-FSST</b>	15km Single-mode Fiber Optic Interface, ST Connector
<b>SM-FLSC</b>	30km Single-mode Fiber Optic Interface, SC Connector
<b>SM-FLST</b>	30km Single-mode Fiber Optic Interface, ST Connector
<b>Firmware Add-ons</b>	
<b>SM-SDC</b>	Smart Serial Device Server Package
<b>Misc.</b>	
<b>SM-SCKIT</b>	Smart Serial Port Connector Kit, COM 2 ~ 5
<b>SM-SCBL</b>	Smart Serial Cable, 6 ft from COM 2 ~ 5
<b>ICO-PS1524</b>	Din-Rail Power Supply, 24VDC Output, 15W, 85 ~264VDC Input