ETC

Simple Network Box

Network Series

Type(s)

Project

Date

Notes

GENERAL INFORMATION

The Simple Network Box (SNB) provides Ethernet connectivity for small systems that require basic network connectivity between system devices. The SNB combines either an 8- or 16-port network switch with a patch panel and isolated fiber termination area in a convenient surface-mount installation. This provides a simple solution for systems that have a limited number of network devices without the requirements of a full equipment rack.

APPLICATIONS
- Small networked systems
- Basic systems requiring Power over Ethernet (PoE)
- Isolated devices requiring fiber interconnection

FEATURES
- Simple installation and service
- Surface-mounted enclosure
- Rugged construction
- UTP terminations using integrated patch panels and connectors
- Isolated fiber termination area with dedicated space for service loop
- Requires common 120 V power feed

REGULATORY AND COMPLIANCE
- ETL Listed
- IEEE 802.3 Ethernet
- IEEE 802.3af Power over Ethernet (PoE)
- IEEE 802.1AB Link Layer Discovery Protocol (LLDP)
- IEEE 802.1Q VLAN Support
- IEEE 802.1w Rapid Spanning Tree Protocol (RSTP)
- IETF RFC 2236 Internet Group Management Protocol, version 2 (IGMPv2)

ORDERING INFORMATION

Simple Network Boxes

Model	Description	Part Number
SNB8FP	8-Port Simple Network Box with PoE and Fiber Input Option	4265A1008
SNB16FP	16-Port Simple Network Box with PoE and Fiber Input Option	4265A1016

Fiber Termination Kits

Model	Description	Part Number
SNBFP-SHK	Short Haul Fiber Termination Kit for SNBFP Simple Network Boxes	4265K1001
SNBFP-LHK	Long Haul Fiber Termination Kit for SNBFP Simple Network Boxes	4265K1002

- One Fiber Termination Kit required for each fiber port (maximum two per Simple Network Box)
- Short Haul Fiber Termination Kits support 850 nm multi-mode fiber with a maximum distance of 550 meters (1804 feet).
- Long Haul Fiber Termination Kits support 1310 nm single-mode fiber with a maximum distance of 10 kilometers (6.2 miles).

SPECIFICATIONS

MECHANICAL

- Fully enclosed surface-mount box
- 16 gauge steel construction
- Finished in black fine-textured power coat paint
- Conduit knockouts on all four sides
- Isolated fiber termination area
- Removable keyed cover for easy access

ELECTRICAL

- 92 W switch power supply fully integrated within enclosure
  - 82 W available for PoE devices
- 120 VAC, 20 A (max) feed required

ELECTRONICS

- 8- or 16-port switch supplied with enclosure
  - PoE available on first 12 ports
- Includes UTP termination panel and patch cables
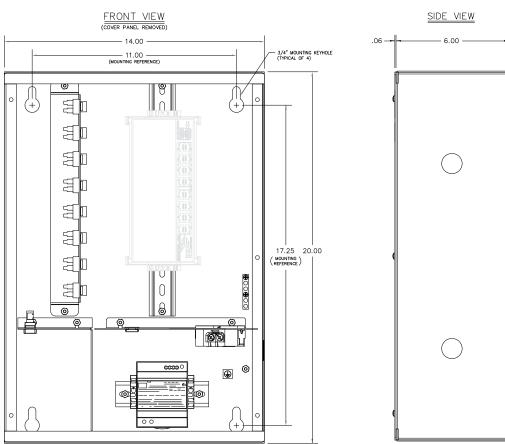- Supports up to two fiber connections with optional fiber termination kits

PHYSICAL

Dimensions‡

Model	Height		Width		Depth	
	mm	in	mm	in	mm	in
SNB8FP / SNB16FP	508	20	356	14	152	6

Weights

Model	Weight		Shipping Weight	
	kg	lb	kg	lb
SNB8FP	9.5	20.9	11.2	24.7
SNB16FP	9.8	21.5	11.5	25.3

‡ Dimensions typical

DIMENSIONS

FRONT VIEW
(COVER PANEL REMOVED)

SIDE VIEW

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