NVS-IP100021FT

IP BASED FIRE ALARM INTERFACE

NORDEN®

DESCRIPTION

The NVS-IP100021FT is an IP-based fire alarm interface module featuring an industrial-grade dual-core (ARM+DSP) processor with a fast startup time of ≤3 seconds. It supports 32 alarm inputs (short-circuit or DC 24V) for integration with fire alarm systems and 8 NO contact outputs for triggering alarm indicators. Designed for scalability, multiple modules can be networked to expand input capacity. With a standard RJ45 port, it supports cross-subnet and cross-router communication, making it ideal for distributed IP-based fire alarm integration.

FEATURES

⊙ Compact 1U rack-mount design with <3s startup (ARM + DSP chip)
⊙ 32 alarm inputs and 8 short-circuit outputs
⊙ Modular IP interface for scalable system expansion
⊙ Auto dispatch of alarms to server for task execution
⊙ Supports multi-zone and hierarchical alarm triggering
⊙ Works over Ethernet with cross-segment and routing support
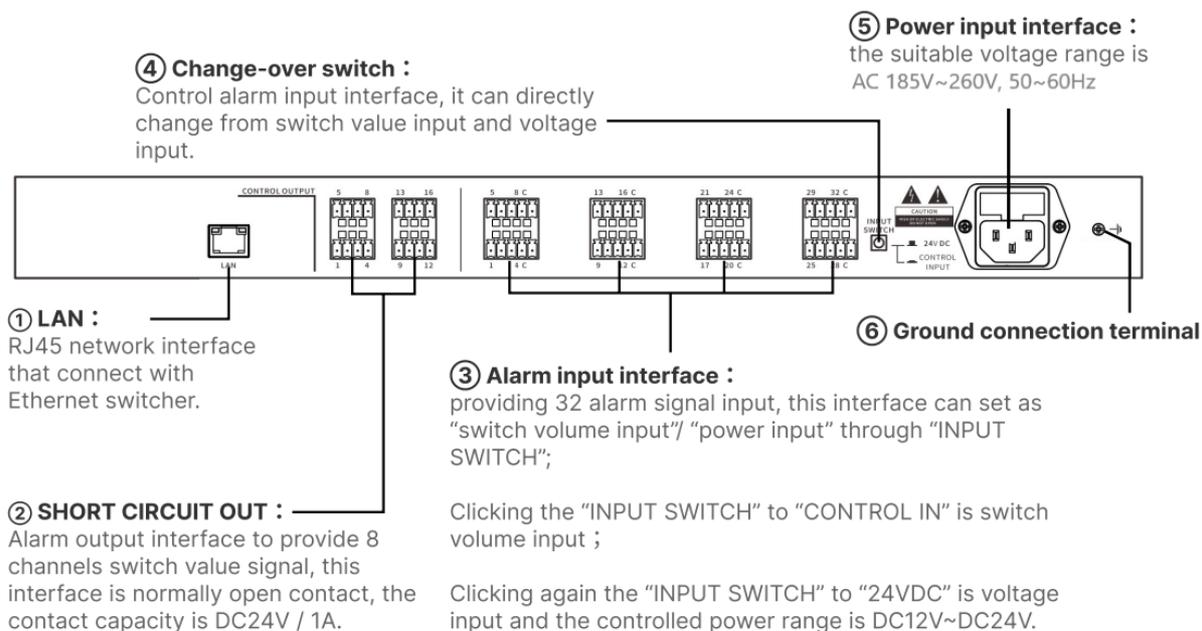
Specifications	
Model	**NVS-IP100021FT**
Power Supply	AC100V~240V, 50~60Hz
Power Consumption	≤15W
Network Chip Rate	10/100Mbps adaptive
Network Protocol	TCP/IP, UDP, ARP, ICMP, IGMP
Network Interface	1xRJ45, 32xAlarm Input, 8xAlarm Output, 1xPower Port
Mounting Method	1U Rack-Mounted
Working Temperature	-10℃~70℃ (14℉~158℉)
Operating Humidity	≤90%RH (Non Condensing)
Storage Temperature	-30℃~70℃ (-22℉~158℉)
Material	Metal
Colour	Black
Product Dimensions	483x259x44 mm
Product Weight	2.7 Kg

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FRONT PANEL

① **Power Switch**

REAR PANEL

⑤ **Power input interface：**
the suitable voltage range is
AC 185V~260V, 50~60Hz

④ **Change-over switch：**
Control alarm input interface, it can directly
change from switch value input and voltage
input.

① **LAN：**
RJ45 network interface
that connect with
Ethernet switcher.

⑥ **Ground connection terminal**

③ **Alarm input interface：**
providing 32 alarm signal input, this interface can set as
"switch volume input"/ "power input" through "INPUT
SWITCH";

Clicking the "INPUT SWITCH" to "CONTROL IN" is switch
volume input；

Clicking again the "INPUT SWITCH" to "24VDC" is voltage
input and the controlled power range is DC12V~DC24V.

② **SHORT CIRCUIT OUT：**
Alarm output interface to provide 8
channels switch value signal, this
interface is normally open contact, the
contact capacity is DC24V / 1A.

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CONNECTION DIAGRAM

Strobe Light   Strobe Light   Manual Call Point   Smoke Detector

Ethernet Switch

Power Cord

Centralised Management
Server Software
NVS-IP100001SW

DIMENSION

Unit mm

483
465
32

259
44
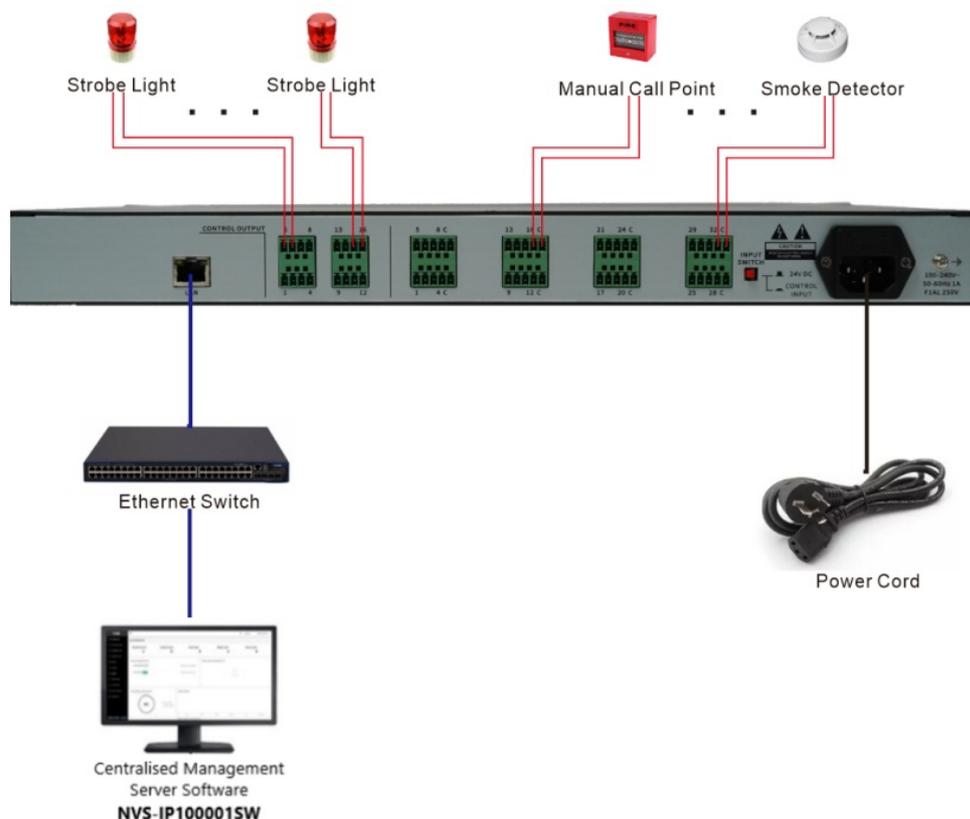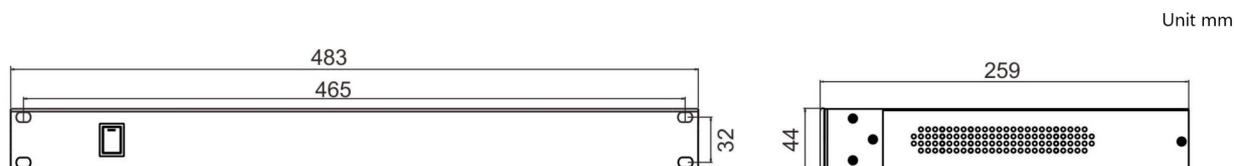
ORDERING INFORMATION

Part Number	Description	Standard Quantity
NVS-IP100021FT	IP BASED FIRE ALARM INTERFACE	01

ACCESSORIES INFORMATION

Description	Standard Quantity
User Manual	01