Datasheet

PAS-NMPI3208 | Network Multi-Zone interface Unit



Key features

- Fast Start-Up High-speed dual-core ARM + DSP chip, start-up time ≤ 3 seconds.
- 32 Alarm Inputs Supports short circuit and DC 24V inputs for external fire alarm linkage.
- Scalable Integrates multiple IP fire alarm modules for expanded input capacity.
- 8 alarm outputs (short circuit, normally open contact, DC24V/1A).
- Automated alarm forwarding to server with support for next-layer and all-zone alarms.
- Ethernet connectivity (RJ45) with cross-network segment and routing support.
- 1U rack-mount design for easy installation in control rooms.
- Fast startup time (< 3 seconds) for reliable emergency response.
- Wide operating range: -10°C ~ 70°C, ≤90% RH.

Product Overview

The Macsys PAS-NMPI3208 is a 1U rack-mount IP alarm interface unit designed for centralized fire and security alarm management over Ethernet networks. It features 32 alarm input channels (switch/voltage selectable) and 8 short circuit alarm outputs for flexible linkage across systems and zones. Powered by an industrial-grade dual-core ARM + DSP architecture, the unit delivers rapid startup in under 3 seconds and supports automatic forwarding of alarm information to a server for coordinated task execution. Alarm sound files are stored on the server to trigger alerts, while Ethernet with cross-network routing ensures wide deployment flexibility.

Techinical Specification

Feature	Details
Alarm inputs	32 channels
Alarm outputs	8 channels short circuit output
Output contact type	Normally open contact
Output contact capacity	DC24V / 1A
Input mode selection	“switch volume input” / “power input” via “INPUT SWITCH”
Voltage input range (control)	DC12V~DC24V
Processor architecture	ARM + DSP
Startup time	less than 3 seconds
Network interface	1 × RJ45 Port
Network capability	Operates anywhere with Ethernet; supports cross-network segment and routing
Alarm handling	Automatically dispatches alarm info to server; supports next layer and all zones
Prestored alarm files	Alarm sound files stored on server for “alert generator”
Power supply	AC100V ~ 240V ,50 ~ 60Hz
Power consumption	≤15W
Form factor	1U Rack Mount
Operating temperature	-10°C ~ 70°C
Operating humidity	≤90%RH (Not condensing)
Dimensions	483×259×44mm
Weight	2.7Kg
Accessories	32 × Alarm Input Interface; 8 × Alarm Output Interface; 1 × RJ45 Port
Power input interface	AC100V-240V/50Hz ~ 60Hz
Ground terminal	Ground connection terminal
Certification	CE, ROHS Compliance

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