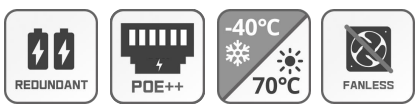
FR-7N3208P-24V

Industrial Unmanaged 8-port 10/100/1000Base-TX (PoE+) + 2-port 1000Base-SFP Ethernet Switch with Redundant 24VDC Power Inputs





Main Features

- Plug-and-play, non-blocking store-and-forward architecture
- Auto-negotiation and Auto-MDI/MDIX on Gigabit RJ45 ports
- IEEE 802.3x flow control for full-duplex and half-duplex backpressure
- MAC auto-learning/aging and 802.1Q VLAN transparency
- 802.3at PoE 30W per port
- Operating temperature -40°C to +75°C
- Redundant 24VDC power inputs, reverse polarity & overload protection
- High-level surge protection and fault alarm relay
- Fanless design
- DIN-Rail and wall-mount installation
- NDAA & RoHS compliant

CE FC

Protected by hardware warranty
Advance replacement. Global coverage.

View policy on Fiberroad's website.

Product	FR-7N3208P-24V
Interface	
RJ45 Ports	8x10/100/1000BASE-T
SFP Ports	2x1000BASE-X SFP Slot (Port 9 -10)
LED Indicators	PWR;LINK/ACT;SPD
Electrical and Mechanical	
Input Voltage	Dual 24VDC
Max. Power Consumption	7 Watts Max (without PoE load)

Product Specifications

FR-7N3208P-24V

Product	FR-7N3208P-24V
Electrical and Mechanical	
PoE Ports	Port 1 to 8 IEEE802.3 af/at
PoE Power Supply Type	End-span
Power Supply Pin	1/2(+),3/6(-)
Max Power Per Port	30W
Max. PoE Power Budget	120W
Surge Protection	±6kV DC, ±6kV RJ45
Enclosure	IP40 aluminum case
Dimension	138 x 108 x 49m, 0.62kg (Bare weight)
Standards	
IEEE 802.3	10BaseT
IEEE 802.3u	100BaseT(X) and 100BaseFX
IEEE 802.3ab	1000BaseT(X)
IEEE 802.3x	1000BaseSX/LX/LHX/ZX
IEEE 802.3az	Energy Efficient Ethernet
Switching	
Switch Architecture	Store-and-Forward
Switch Fabric	20Gbps/non-blocking
Forwarding Rate	11.9 Mpps(64-byte packet size)
Packet Buffer Size	2Mbits
Maximum Packet Length	1500 bytes
MAC Address Table	4K entries, automatic source address learning and aging
Flow Control	IEEE 802.3x pause frame for full duplex, Back pressure for half duplex
Environmental	
Operating Temperature	-40°Cto +75°C(-40 to 167 °F)

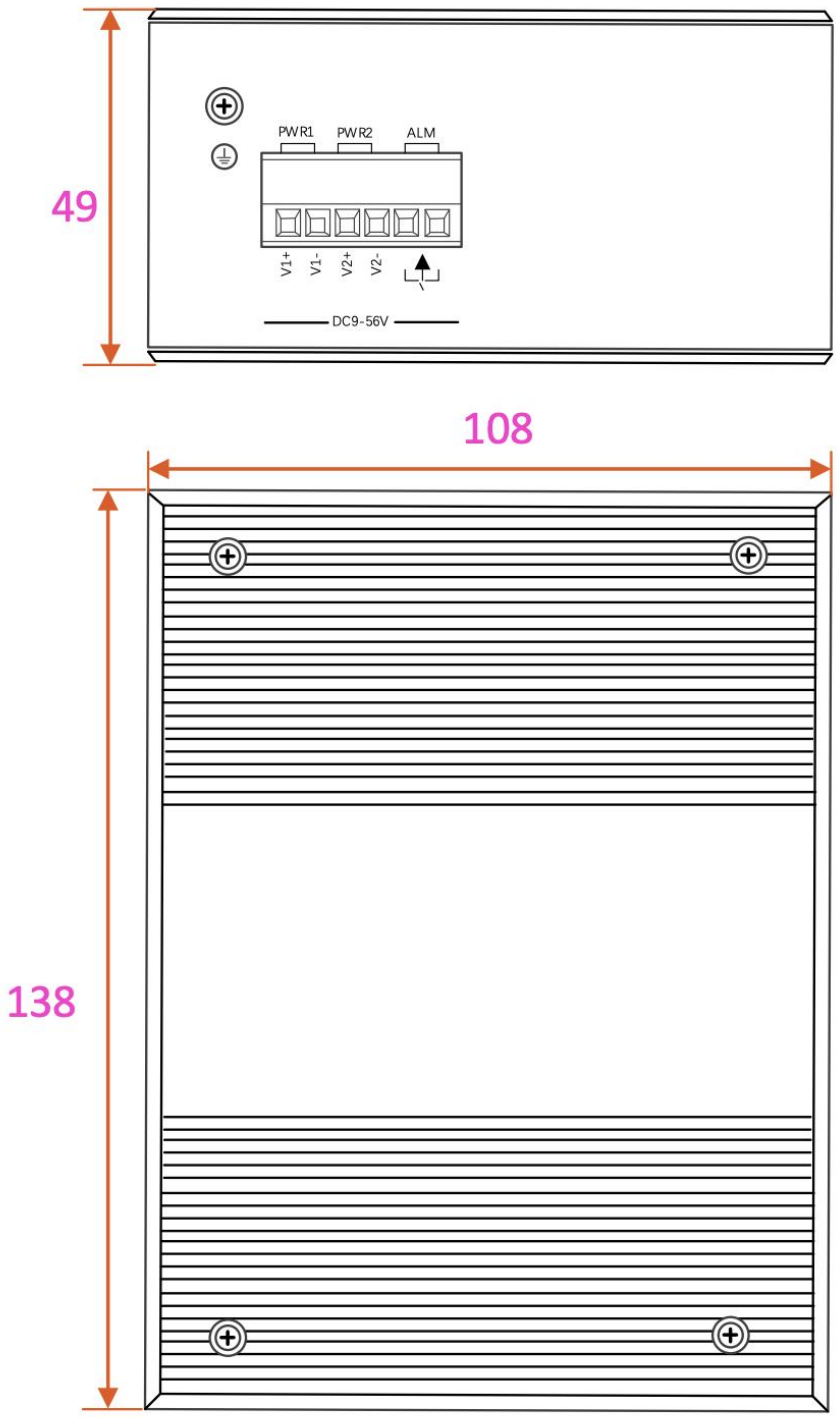
Product Specifications

FR-7N3208P-24V

Product	FR-7N3208BT-24V
Environmental	
Storage Temperature	-40°Cto +85°C(-40 to 185 °F)
Operating Humidity	5%~95% (non-condensing)
MTBF	＞500,000hours @MIL-HDBK-217F GF 25°C
Heat Dissipation	17 BTU/h (Non-PoE), 700 BTU/h (with 240W PoE load)
Cooling	Passive Cooling
Noise Level	0 dBA
Regulatory	
ISO	Manufactured in ISO-9001facility
Safety	IEC62368-1:2020+A11:2020
EMI	FCC Part 15B Class A, IEC 61000-3-2
EMS	IEC61000-4-2 ESD: Contact:±8kV, Air:±15kV IEC61000-4-5 Surge: Power: ±6kV; RJ45:±4kV/±6kV(PoE)
Shock	IEC 60068-2-27
Free Fall	IEC 60068-2-32
Vibration	IEC 60068-2-6
Environmental	RoHS 2011/65/EU Annex II(EU)

Product Specifications

Dimension (Unit: mm)



Product Specifications

Ordering Information

Available Model	Description	Input Voltage	Operating Temp.
FR-7N3208P-24V	Industrial Unmanaged 8-port 10/100/1000Base-TX (PoE+) + 2-port 1000Base-SFP Ethernet Switch with Redundant 24VDC Power Inputs	Dual 24VDC	-40 to +75°C

Optional Accessories (to be purchased separately)	
SFP Optical Transceiver	Please select your SFP on our SFP Modules page for details.

Package Contents	
Device	1 x Industrial Ethernet Switch
Installation Kit	1 x DIN-Rail Clip
Documentation	1 x Quick installation guide 1 x Warranty card

Specifications are subject to change without notice. Fiberroad Technology Co., Ltd. makes no warranties, either expressed or implied, regarding the information contained herein. Please contact us for the latest product information.

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