Industrial Grade Ethernet Switch

8-port 10/100Mbps Ethernet Switch

Model: NF508F

Overview

NuFiber's NF508F Industrial Ethernet witch,With 8 Port 10/100 Ethernet ports ,for connecting with devices like computer, switch, hub, server, etc, as well as powering network camera, industrial VoIP phone, wireless AP and other devices. Specially designed for harsh outdoor applications. Its 3KV network port surge protection can adapt to harsh outdoor environment and ensure the reliability of the uninterrupted PoE system. Power input also chooses industry-standard types of power.

Features

• 8 Port 10/100Mbps Ethernet RJ45

• Automatic MAC address learning and aging

• Automatically support IGMP (Multicasting)

• 10/100Mbps Auto-negotiation , auto-MDI-MDI-X

• LED indicators for monitoring power/link/activity

• Supports 10/100Mbps-Full/Half-duplex

• Supports Wall-mount and DIN-Rail installation for lightning protection

• Supports Daisy-Chain connection

• Supports Broadcast Storm Control

• Supports Relay output for power failure

• Super lightening protection, IP40 protection.

• Excellent heat elimination without cooling fan.

• Redundant dual DC power inputs.

• Redundant Power Inputs

• Apply to Urban Intelligent Traffic Monitoring System (ITS), Safe City.

• Harsh industrial environment or higher requirement

• -40℃-85℃ operating temperature range.

• 5-Year Warranty

Technical Specification

Product Name	8 Port 10/100Base Industrial Ethernet Switch
Product Model	NF508F
Interface	8x10/100Base-T Ethernet port
Network Protocols	IEEE802.3 10BASE-T; IEEE802.3i 10Base-T;IEEE802.3u;100Base-TX/FX;
	IEEE802.3ab 1000Base-T; IEEE802.3z 1000Base-X; IEEE802.3x;
Network Media	10BASE-T: Cat3,4,5 UTP(≤100 meter)
	100BASE-TX: Cat5 or later UTP(≤100 meter)
	1000BASE-TX: Cat6 or later UTP(≤100 meter)

Performance Specification	Bandwidth: 5.6Gbps
	Packet Buffer Memory:1M
	Packet Forwarding Rate:1488000pps/port
	MAC Address Table: 4K
Forwarding Mode	Store-and-Forward
Protection	Lightening protection, IP40 protection
LED Indicators	Power: PWR; Link; Link/Act
Power Supply	Input Power: 2x10~58VDC (Terminal Block)

Other Specifications

Working Environment	Working temperature: -40～85℃ ; Storage temperature: -45～85℃
	Relative Humidity: 5%~95 %(no condensation)
Industry Standard	FCC CFR47 Part 15,EN55022/CISPR22, Class A EMS:
	IEC61000-4-2 (ESD): ±8kV (contact), ±15kV (air)
	IEC61000-4-3 (RS): 10V/m (80MHz-2GHz)
	IEC61000-4-4 (EFT): Power Port: ±4kV; Data Port: ±2kV
	IEC61000-4-5 (Surge): Power Port: ±2kV/DM, ±4kV/CM; Data Port: ±2kV
	IEC61000-4-6 (CS): 3V (10kHz-150kHz); 10V (150kHz-80MHz)
	IEC61000-4-16 (Common mode conduction): 30V (cont.), 300V (1s)
Shell	IP40 protect grade, metal shell
Installation	DIN-Rail or Wall mounts
Packing List	1×Industrial Ethernet Switch (plus terminal block)
	1×User Manual/Certificate of quality/Warranty card
	1×DIN-Rail mounting kit

Certification	CE mark, commercial; FCC Part 15 Class B; VCCI Class B
	EN 55022 (CISPR 22), Class B
MTBF	300,000 hours
Weight & Size	Product Weight: 0.6KG
	Packing Weight: 1.1 KG
	Product size (L×W×H): 118mm× 86mm× 34mm
	Packing size(L×W×H): 183mm x 131mm x 100mm
Warranty	5-years

Typical Application

Ordering information

NF505F	Industrial 5x10/100Mbps RJ45 ports network switch, DIN Rail type, DC10~52V
NF505G	Industrial 5x10/100/1000Mbps RJ45 ports network switch, DIN Rail type, DC10~52V
NF508F	Industrial 8x10/100Mbps RJ45 ports network switch, DIN Rail type, DC10~52V
NF508G	Industrial 8x10/100/1000Mbps RJ45 ports network switch, DIN Rail type, DC10~52V