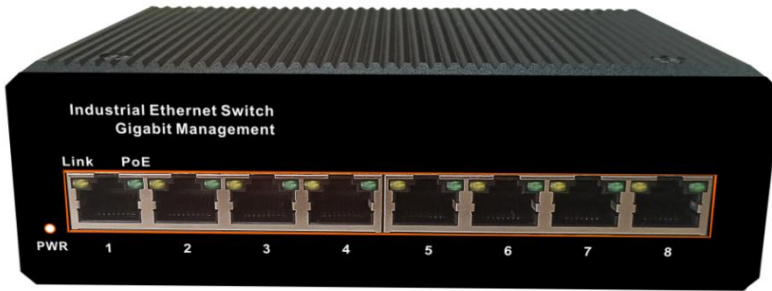# Web Managed Industrial Ethernet Switch

NB-IGS2208P

NEWBRIDGE®

FEATURES

- Full Gigabit Ethernet ports
- IEEE 802.3af/at PoE standards
- Support Port Isolation
- Support 802.1q VLAN
- Support Port Mirroring
- Support Port-Based/802.1p/DSCP priority QoS
- Support Storm Control
- Web-based user interface
- Three Redundant 12/24/48 VDC power inputs
- -40 to 75°C wide operating temperature range
- DIN-rail mounting

The NB-IGS2208P is a full Gigabit managed industrial PoE switch independently developed by Newbridge, with 8*10/100/1000M PoE ports , ports 1-8 can support IEEE 802.3af/at standard PoE power supply, single-port PoE power of up to 30W, and all the ports support full wire speed forwarding. This POE switch is designed to meet the needs of industrial fields and systems, and can operate stably for a long time in harsh environments. It is suitable for intelligent transport, rail transit, power industry, mining metallurgy, green energy construction and other fields.

NB-IGS2208P supports WEB management, supports a variety of ring network protocol STP/RSTP (<50ms) to improve link backup and network reliability,   It can achieve security network topology management, link aggregation, port management, port mirroring and remote operation and maintenance.   with fast switching function and multiple access ports, suitable for accessing LAN equipment of various scales. IP30 protection level, three redundant power sup- plies, low-power fanless cooling technology, MTBF up to 10 years, 3-year warranty, Suitable for intelligent transportation, rail transportation, power industry, mining, oil, shipping, metallurgy and green energy construction and other industrial scenarios to set up a cost-effective, stable and reliable communication network.

Specifications

Model	NB-IGS2208P	
Interface	8*10/100/1000Base-T PoE ports (Data/Power) 2 sets of V+, V- redundant DC power interface (6 Pin Phoenix terminal) 1 group of alarm output and relay output can define various custom condition trigger.	
PoE Port	Port 1-8can support IEEE802.3af/at POE standard	
Network Protocol	IEEE802.3 10BASE-T; IEEE802.3i 10Base-T; IEEE802.3u 100Base-TX/FX; IEEE802.3ab 1000Base-TX IEEE802.3z 1000Base-X	
PoE Standard	IEEE802.3af/at	
Ethernet Port Feature	10/100/1000BaseT (X) automatic detection, full / half duplex MDI/MDI-X adaptive	
6Forwarding Mode	Store and Forward(Full Wire Speed)	
Switching Capacity	12Gbps	
Forwarding Rate@64byte	11.904Mpps	
MAC	8K	
Buffer Memory	4M	
Twisted Pair Transmission	10BASE-T: Cat3,4,5 UTP(≤100 meter) 100BASE-TX: Cat5 or later UTP(≤100 meter) 1000BASE-T: Cat5 or later UTP(≤100 meter)	
Power Supply Pin	Only support 1/2 (+), 3/6 (-) 4-core power supply	
Max / Average Power Per Port	30W/30W	
Total PWR /Input Voltage	240W (50-57VDC)	
Power Consumption	Standby:<10W;Full load:<240W	
LED	System indicator:SYS(green); Network Indicator: Link (yellow); SFP Indicator: L/A (green) ; PoE Indicator: PoE (green)	

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Power Supply	No, see accessories information table to buy
Operation TEMP/ Humidity	-40~+80°C;5%~90% RH Non condensing
Storage TEMP /Humidity	-40~+85°C;5%~95% RH Non condensing
Dimension	188*130*50mm
Net /Gross Weight	<1.1kg / <1.4kg

Port Management	−Support port status display −Support port traffic statistics −Support port duplex/negotiation rate configuration −Support IEEE802.3x flow control configuration (full duplex) −Supports EEE energy saving and Green Ethernet features
VLAN	Supports port-based IEEE802.1QLAN configuration
Port aggregation	Supports static aggregation
loop protection	Support loop protection function, support anti-loop function
Multicast	Supports IGPSnoopingv1/v2 and up to 256 multicast groups.
mirroring	Supports mirroring in the base port stream
Qos	Supports Diff-Serv Qos Supports 8 output queues per port Supports 802.1p/DSCP priority mapping Supports Priority Mark/Remark
Safety features	Supports broadcast storm suppression Support port speed limit Support port isolation
DHCF	Supports DHCP Snooping
Management	Support WEB Managed(HTTPS) Support one-click restore

Order Information

Part No	Description of product	Unit
NB-IGS2208P	8*10/100/1000 Base-Tx web managed PoE Switch ,PoE Standard: IEEE 802.3af/at.	pc