

Web Managed Industrial Ethernet Switch

NB-IGS2210FP



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-IGS2210FP is a full Gigabit managed industrial PoE switch independently developed by Newbridge, with 8*10/100/1000M PoE ports and 2*100/1000 SFP fibre slot 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-IGS2210FP 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 supplies, 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.

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Specifications

| Model | NB-IGS2210FP |
|---------------------------|--|
| Interface | 8*10/100/1000Base-T PoE ports (Data/Power) 2*100/1000Base-X uplink SFP fiber slot ports (Data) 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 1-8 can 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 |
| SFP Port Characteristic | Gigabit SFP optical fiber interface, default matching optical modules, need to buy separately, (optional order mode / multi-mode, single fiber / double fiber optical module. |
| Forwarding Mode | Store and Forward(Full Wire Speed) |
| Switching Capacity | 20Gbps |
| Forwarding Rate@64byte | 14.88Mpps |
| 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) |
| Optical Cable | Multi mode: 850nm 0 ~ 550M, single mode: 1310nm 0 ~ 40KM, 1550nm 0 ~ 120KM. |
| Power Supply Pin | Only support 1/2 (+), 3/6 (-) 4-core power supply |

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| 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) |
| 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 |

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| Port Management | <ul style="list-style-type: none"> -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 | <ul style="list-style-type: none"> Supports Diff-Serv Qos Supports 8 output queues per port Supports 802.1p/DSCP priority mapping Supports Priority Mark/Remark |
| Safety features | <ul style="list-style-type: none"> Supports broadcast storm suppression Support port speed limit Support port isolation |
| DHCF | Supports DHCP Snooping |
| Management | <ul style="list-style-type: none"> Support WEB Managed(HTTPS) Support one-click restore |

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Order Information

| Part No | Description of product | Unit |
|--------------|--|------|
| NB-IGS2210FP | 2*1000M SFP slot, 8*10/100/1000 Base-Tx web managed PoE Switch ,PoE Standard: IEEE 802.3af/at. | pc |