**FEATURES**

* 8\*10/100Mbps PoE ports, 2\*10/100Mbps uplink port
* Support IEEE802.3af/at
* Support restrain network storm, VLAN function
* Support Max Transmission distance up to 250m
* All port supported by MDI/MDIX auto flip and self-negotiation
* Built-in power supply
* Maximum power of single PoE port: 30 W
* Whole machine power: 120W&150W
* Adopts store-and-forward architecture
* Fanless, natural cooling, small,compact and quiet design, suitable for desktop or wall
* Support lightning protection 4KV

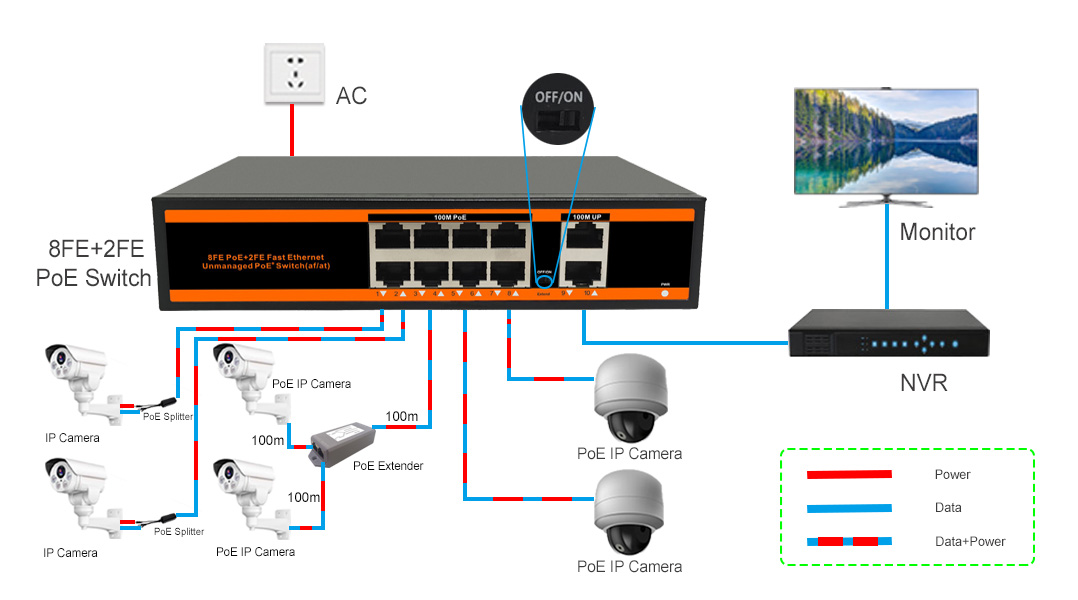
Newbridge®ND-HP0820 series PoE switch is designed by NEWBRIDGE for meeting the demand of PoE power supply. It adopts the latest high-speed Ethernet switching chip and ultra-high backplane bandwidth design, with extremely fast data processing capability to improve smooth data transmission performance. It has 8 PoE-powered RJ45 ports and 2 RJ45 uplink ports. All of eight RJ45 ports support IEEE 802.3af/at standard , with a maximum power supply of 30W for a single port and 120W&150W for the whole machine, which can automatically detect and identify the powered devices that comply with IEEE 802.3af/at standard and supply power for the priority mechanism through the network cable.

With simple and convenient installation and maintenance means and rich service features, it helps users to build a safe and reliable high-performance network. It is mainly positioned at the core or convergence layer of user networks such as industrial parks, buildings, factories and mines, government agencies, and community broadband; it can be widely used in Ethernet access scenarios such as SMEs, Internet cafes, hotels, and schools.

Specifications

|  |  |  |  |
| --- | --- | --- | --- |
| Power | Power Adapter Voltage | | AC 110V-240V |
| Consumption | | 120W/150W |
| Network Connector | Network Port | PoE Ethernet Port | 1～8 Port : 10/100Mbps |
| Ethernet port | Uplink Port : 10/100Mbps |
| Transmission Distance | | 1～8 Port :  100Mbps:0~100m;  10Mbps: 0~250m; |
| Uplink Port : 0 ~ 100m |
| Transmission Medium | | Cat5/5e/6 standard network cable |
| Network Switch | Network Standard | | IEEE802.3/802.3u, IEEE802.3x,IEEE802.ab |
| Switching Capacity | | 2.0Gbps |
| Packet Buffer Memory | | 1Mbits |
| Throughput | | 1.488Mpps |
| MAC Table | | 1K |
| Packet Forwarding rate | | 10Mbps:14880pps/port 100Mbps: 148800pps/port |
| Power Over Ethernet | PoE Standard | | IEEE 802.3af/at |
| PoE Power Supply | | 12 + ,36 - , 4 core power supply |
| PoE Power | | af=15.4W,at=30W for each port |
| RJ45 port | Port Function | | Power priority mechanism, fast and forward, MAC automatic learning and aging IEEE802.3X Full-duplex and mode and backpressure for Half-duplex mode |
| LED Indicator | LED Indicator | | LINK/ACT.100Mbps;  PoE Status Indicator;  Power indicator;  Extender |
| Environmental | Working temperature | | 0℃~55℃ |
| Relative Humidity | | 20~95% |
| Storage temperature | | -20℃~70℃ |
| Mechanical | Dimension (L×W×H) | | 220mm\*140mm\*45mm |
| Color | | Black |
| Weight | | 1.05kg |

Application



Order Information

|  |  |  |
| --- | --- | --- |
| **Part No** | **Description of product** | **Unit** |
| ND-HP0820 | 10 ports switch with 8\*10/100M PoE ports,2\*10/100M Uplink Port,PoE Standard: IEEE 802.3af/at,PoE data & power transmission distance 100meters(100Mbps),250meters(10Mbps),optional power supply 120W or 150W | pc |