

## 20 Port Gigabit Intelligent PoE Switch



CE FCC RoHS

20 Port Gigabit Intelligent Standard PoE Switch, with high quality and high-speed network IC and the most stable PoE chips, provide seamless connections to 10/100/1000M Ethernet, and the PoE supply port can automatically detect and supply receiving devices meeting IEEE802.3af/at standard, non-PoE devices intelligently detect no power and only transmit data.

### Main Features

- 16\* 10/100/1000M PoE Ports+2\*Gigabit Uplink+2\* Gigabit SFP Ports;
- Comply with IEEE802.3, IEEE802.3u, IEEE802.3ab Standard;
- Ethernet Ports support 10/100/1000M self- adaptive;
- The AI mode is automatically enabled 10M speed for Ports 9~16 in Extend mode;
- POE priority is supported, from port 1 to port 16, which is enabled by default;
- Flow control mode: IEEE 802.3X standard for full duplex, and Back Pressure standard for half duplex;
- Zero configuration feature, automatically supplied to adaptive equipment;
- Panel indicator monitoring status and help failure analysis;
- With DIP switch, support Extend modes;
- Support port lightning surge: common mode 4KV, differential mode 2KV (level B) ; Electrostatic ESD: air 8KV, contact 6KV (level B) .

### Application Environment

#### Urban optical fiber broadband network:

Telecommunications, cable TV, network system integration, according to network operators.

#### Broadband special network:

Suitable for finance, government, oil, electricity, public security, education and other industries.

#### Multimedia transmission:

Image, voice, data comprehensive transmission, suitable for remote teaching, conference television, video telephone and other applications.

#### Real-time monitoring:

Real-time control of signal, image and data for simultaneous transmission.

# DATA SHEET



Specification	
<b>I/O Interface</b>	
Power	AC INPUT (100-240 V)
Ethernet	16*Gigabit PoE Ports 2*Uplink ports 2*Gigabit SFP Ports
Chipset	EN8850DH, RTL8238B
<b>Performance</b>	
Bandwidth	40Gbps
Packet Forward Rate	29.76Mpps
Package Cache	3Mbit
MAC Address	8K
Forwarding Mode	Store and forward
<b>Standard</b>	
Network Protocol	IEEE802.3 (Ethernet) IEEE802.3u (Fast Ethernet) IEEE802.3ab (Gigabit Ethernet) IEEE802.3x (Flow Control) IEEE 802.3z (Gigabit Ethernet Fiber Standard)
PoE protocol	IEEE802.3af (15.4W) IEEE802.3at (30W) POE port output voltage: DC 44-57V POE power supply core: 1/2+; 3/6-
Industry Standard	EMS: EN61000-4-2 (ESD). IEN61000-4-5 (Surge)
Network medium	10Base-T: Cat 3, 4, 5 Class or above UTP/STP ( $\leq$ 100m) 100Base-TX: Cat 5 Class or above UTP/STP ( $\leq$ 100m) 1000Base-TX: Cat 5 Class or above UTP/STP ( $\leq$ 100m)
Optical Medium	Multimode optical fiber: 50/125, 62.5/125, 100/140um Single-mode optical fiber: 8/125, 8.7/125, 9/125, 10/125um
<b>Certification</b>	
Safety Certificate	CE/FCC/ROHS

# DATA SHEET

Environment Standard	
Working Environment	Working temperature: -10~50°C Storage temperature: -40~70°C Working humidity: 10%~90%, non-condensing Storage humidity: 5%~95%, non-condensing
Physical Specification	
Structure Size	Product Dimensions: 320*207*44mm Package Dimensions: 370*290*85mm Product N.W: 1.87KG Product G.W: 2.43KG
Packing Info	Carton Dimensions: 445*310*390mm Packing Quantity: 5 PCS Packing Weight: 13.15KG
Power Voltage	Input Voltage: AC 100-240 V 50-60Hz Supply Power: 52V /5.76A
Power Consumption	Product power: maximum 10W POE power: maximum 280W
Package List	Switch 1 pc, Power cord 1 pc, User manual 1 pc, Certification 1 pc
Indicator	
LED Indicator	PWR (Power) , 1-20 Green Light(Link&Data), 1-16 (Yellow Light) , POE Led Key
PWR	On: Powered on Off: Powered off
1-20 Green Light(Link&Data)	On: Link normal Off: Link blocked Flashing: Data transmitting
1-16 (Yellow Light)	On: POE power supply is normal Off: POE not powered
PoE Max POE power light (Green Light)	Off: indicates PoE power usage is less than 90% Flashing: indicates PoE power usage of 90% ≤ P ≤ 95% On: indicates that PoE power is used at 95% < P < 100%
Mode DIP Switch light	On: Extend on Off: Extend off
PoE Led Key	Dual color light selection: default green (link data), switch yellow light (PoE)
Extend DIP Switch	OFF: common mode, all interfaces can communicate with each other, the transmission distance is less than 100 meters, the transmission rate is 10/100/1000M adaptive; The port AI mode is disabled ON: Link extension mode, 9-16 ports force 10M, link 250M (enable POE watchdog), Port AI mode is enabled;

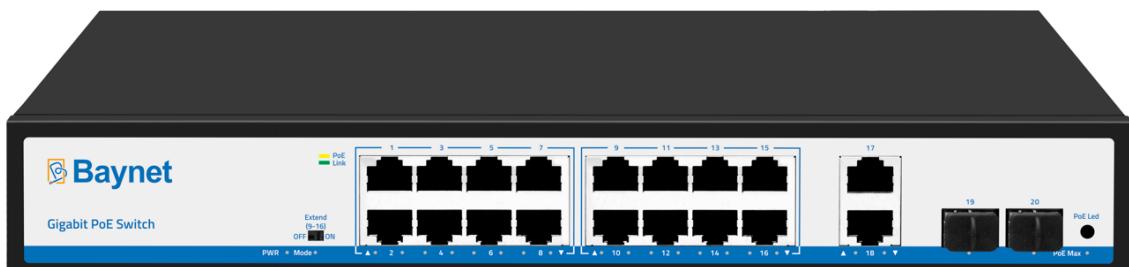
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## Order Info

BN-PG016-2S-300

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## Product Rendering



## Product Structure

