

BN-FS-1604P

4-Port 10/100Mbps PoE Switch with 2-10/100M RJ45 Uplink



Key Features:

- Ports: Provide 4* 10/100Mbps PoE ports with 2*100M RJ45 Uplink
- PoE Standard: IEEE802.3af/at Power over Ethernet (PoE) Compliant
- Self-adaption: RJ45 port supports 10/100Mbps MDI/MDIX
- Wide Application: Designed for Wifi AP and IP Security camera.VoIP etc
- VLAN Mode: Isolates each port so as to prevent broadcast storm and defend DHCP spoofing
- Surge Protection: Protect the device from lightning surges and others electrical hazards
- Working Temperature: -20 to 55 degrees operating temperature
- 6Kv Surge protection: Protect the device from lightning surges and others electrical hazards
- Considerate Design: Wall mount installation, Fanless silent operation

Smart PoE+ Power Management

4xIEEE 802.3af/at PoE+ ports (30W/port max. 65W) with PoE scheduling, priority, and AI remote reboot. Power IP cameras, wireless APs, or access control over a single cable – no outdoor outlets needed. Schedule PoE on/off to save energy, reboot frozen devices remotely, and prioritize critical gear during power shortages. Cut installation costs 40%+ and ensure 24/7 uptime for powered devices.



Surge Protection Design

Engineered for extreme durability, our PoE switch delivers robust 6kV surge protection on all PoE ports, safeguarding against lightning strikes and electrical transients. This advanced protection ensures reliable operation in harsh industrial environments, outdoor deployments, and areas prone to power fluctuations, significantly enhancing network uptime and device longevity.

Smart Operation Modes: Extend, VLAN & AI

Supports three flexible modes: Extend Mode extends PoE transmission up to 250m; VLAN Mode isolates broadcast traffic via port-based VLAN for stable camera networks; AI Mode enables PD alive check and auto power reset, enhancing network reliability and reducing maintenance effort.



Technical Datasheet

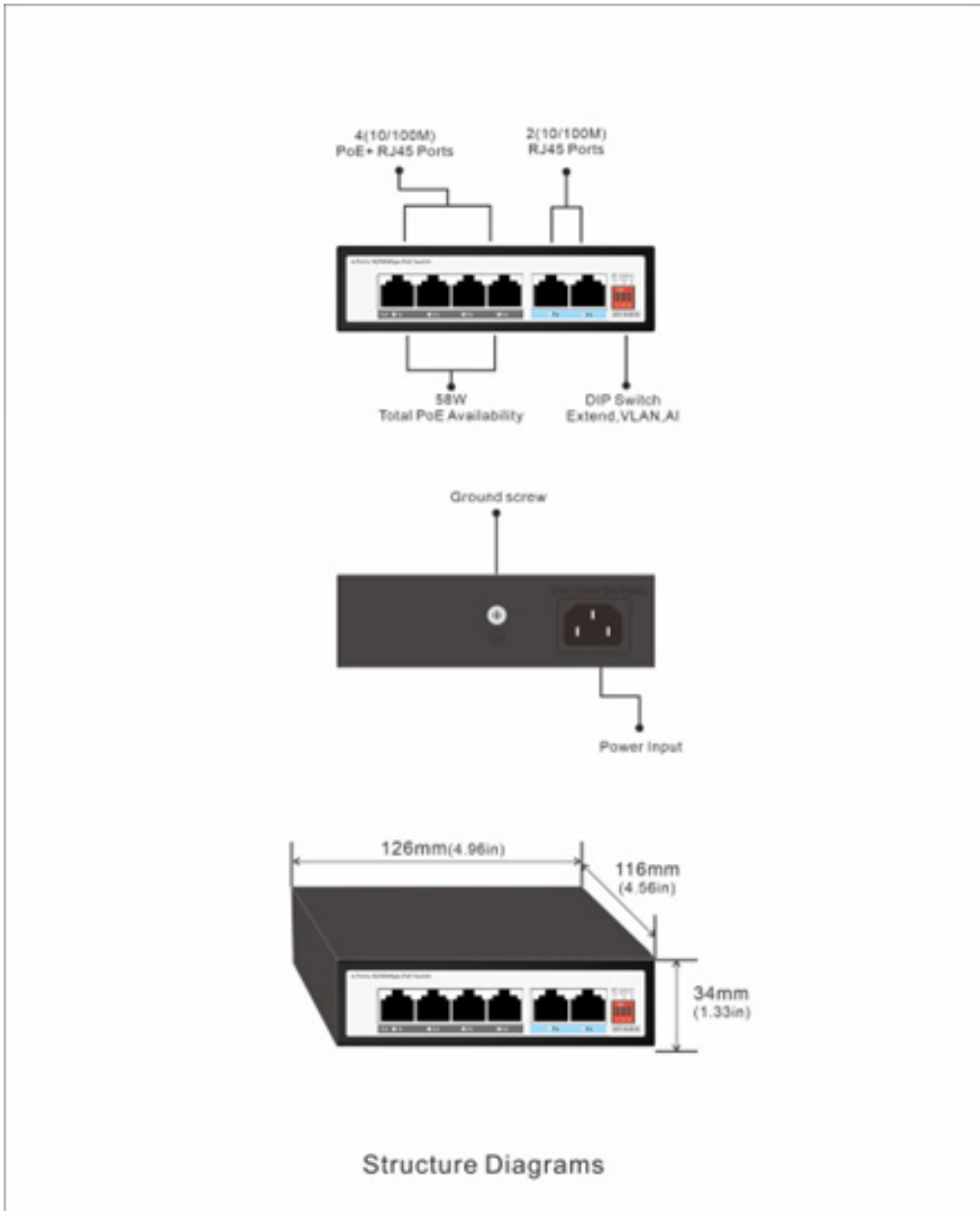
Model	BN-FS-1604P
Hardware Specifications	
Connector	6* 10/100BASE-T RJ45 auto MDI/MDIX ports
PoE Port	4* 10/100Mbps PoE PSE port
VLAN Mode	Features port-based VLAN function that helps to prevent the IP camera's multicast or broadcast storm from influencing each other.
LED indicators	Power Indicator: PWR(green). PoE/Network Working Indicator: green VLAN Mode Indicator: V (green)
Power Requirements	AC 100~240V, 50/60Hz
Power Consumption/ Dissipation	Max. 5 watts (system on) Max. 65 watts (system + PoE)
ESD Protection	Contact Discharge 6KV DC, Air Discharge 8KV DC
Surge Protection	Differential mode $\pm 2KV$, Common mode $\pm 4KV$
Thermal Fan	Fanless Design
Installation	Wall Mount
Dimension(WxDxH)	126mm x 116mm x 34mm
Weight	< 0.6Kg
Switching Specifications	
Network standard	IEEE802.3i 10 BASE-T IEEE802.3u 100 BASE-TX IEEE802.3x Flow Control
Switch Architecture	Store and Forward
Backplane bandwidth	1.2Gbps
Packet forwarding rate	0.9Mpps
MAC address	2K MAC address table with auto-learning, auto-aging
Shared Data Buffer	1.2 Mb
Flow Control	Back pressure for half duplex IEEE 802.3x pause frame for full duplex
Power over Ethernet (PoE) Specifications	
PoE Standard	IEEE 802.3af Power over Ethernet/PSE IEEE 802.3at Power over Ethernet Plus/PSE
PoE Supply Type	1/2(+), 3/6(-) End-span
PoE Power Output	IEEE 802.3af Standard Per port 48V~51V DC, max. 15.4 watts IEEE 802.3at Standard Per port 51V~54V DC, max. 30 watts
PoE Power Budget	Maximum 58W for all PoE port output
Environment	
Environment specification	Operating temperature: -20°C~55°C , operating humidity: 10%~90% Storage temperature: -30°C~75°C , storage humidity: 5%~95%

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Mechanical Drawing



Ordering Information

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4 Ports 10/100Mbps unmanaged PoE switch with 2 ports 100M RJ45 uplink, 6KV surge protection, IEEE802.3af/at.