

# LinkPower™ 2000AF Gigabit PoE Switch Series

## LinkPower2004AF-2G

4 Gigabit PoE Ports & 2 Gigabit Uplink Ports



## LinkPower2008AF

8 Gigabit PoE Ports



## LinkPower2016AF-2F

16 Gigabit PoE Ports & 2 Gigabit SFP Fiber Uplink Ports



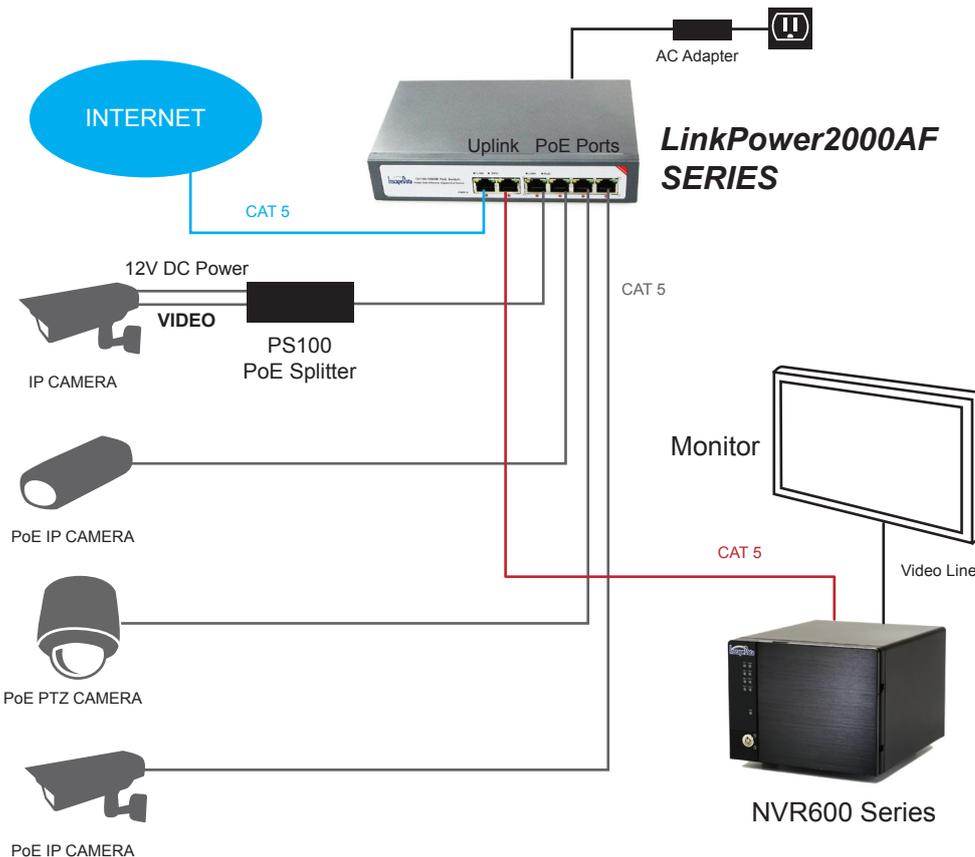
## LinkPower2024AF-2F

24 Gigabit PoE Ports & 2 Gigabit SFP Fiber Uplink Ports



Inscape Data's LinkPower 2000AF Series Gigabit IEEE802.3af PoE Switch Systems help customers to stay on top of their business and keep their networks running smoothly. Accelerate their network performance and productivity when you send large real-time video and images to network servers, drives, and wireless Access Points and IP video cameras at Gigabit speed. Power over Ethernet (PoE) 15.4W capability also carries electrical power to network devices without the need for additional power outlets.

## APPLICATION DIAGRAM



## KEY FEATURES & BENEFITS

### PLUG AND PLAY CONVENIENCE

LinkPower 2000AF Series unmanaged switch offers a quick and easy solution to extend your office network with plug & play installation, 1U Rack mounted design for easy data center installation, automatic adjustment, plug and play, no need software and protocol conversion

### GIGABIT PERFORMANCE

LinkPower unmanaged switch offers Gigabit speeds to minimize transfer times and greatly enhance the ability to stream high-bandwidth files to connected devices without interference, All ports support wire-speed switching, frame size within the range of 64 to 1536 can achieve wire-speed

### POWER WHERE YOU NEED IT

With IEEE802.3af PoE built-in and compliant IEEE 802.3/IEEE 802.3u/ IEEE 802.3x/ IEEE 802.3ab standards to supplying power to 5 classes networking devices such as network hubs, IP phones, and IP cameras can be located anywhere without the need for AC outlets (Maximum power of each port is 15.4W)

### NETWORK SURGE PROTECTION

All network ports have lightning-protection function (AC power port: differential mode +/-2kV, common mode +/-4kV)

### QUALITY OF SERVICE (QOS) TRAFFIC PRIORITIZATION

QoS traffic prioritization provides the ability to give precedence to particular devices or activities to ensure mission critical data throughput is maintained regardless of network congestion. Auto-sensing ports automatically optimize speed for each connected device (QOS, RSETMSTP, IGMP; RADIUS and 802.1X certification)

### UPLINK PORTS FOR EASY NETWORK EXPANSION

All network port 10/100/1000Mbps automatic adjustment RJ45 PoE ports, additionally 2x10/100/1000Mbps Gigabit uplink ports for LinkPower2006AF-2G and 2x 10/100/1000Mbps SFP fiber uplink ports for LinkPower2016AF-2F & LinkPower2024AF-2F

## PRODUCT SPECIFICATIONS

Product Model	LinkPower2004AF-2G	LinkPower2008AF	LinkPower2016AF-2F	LinkPower2024AF-2F
<b>Connector Type</b>	4x 10/100/1000M copper cable RJ45 PoE ports(All ports support MDI/MDIX automatic adjustment), 2x 10/100/1000M Uplink Ports	8x 10/100/1000M copper cable RJ45 PoE ports(All ports support MDI/MDIX automatic adjustment)	16x 10/100/1000M copper cable RJ45 PoE ports(All ports support MDI/MDIX automatic adjustment); 2x 10/100 /1000Mbps SFP fiber uplink ports	24x 10/100/1000M copper cable RJ45 PoE ports(All ports support MDI/MDIX automatic adjustment); 2x 10/100 /1000Mbps SFP fiber uplink ports
<b>Forwarding Mode</b>	Store-and-forward architecture, 192K forwarding memory	Store-and-forward architecture, line speed forwarding	1000M line speed forwarding; Packet Length: 10K; Packet Buffer: 4.1M	1000M line speed forwarding; Packet Length: 10K; Packet Buffer: 4.1M
<b>Network Medium</b>	10BASE-T: Cat3, 4, 5 UTP(≤100 meter) 100BASE-TX: Cat5 or more UTP(≤100 meter) 1000BASE-TX: Cat5 or more UTP(≤100 meter)			
<b>Performance Specifications</b>	Bandwidth: 8.8Gbps (non-blocking) Network Latency (100 to 100M bps): Maximum delay less than 20μs Packet Buffer Memory: 96KB Address Database Size: 1,000 MTBF: 190,000 hours (about 21 years)	Bandwidth: 16Gbps (non-blocking) MAC Address Table: 8K MTBF: 190,000 hours (about 21 years)	Backplane Bandwidth: 52Gbps Network Delay: less than 20 microsecond Packet Buffer: 96KB Address Database: 8K MTBF: 190,000 hours (about 21 years)	Backplane Bandwidth: 52Gbps Network Delay: less than 20 microsecond Packet Buffer: 96KB Address Database size: 1000 MTBF: 190,000 hours (about 21 years))
<b>PoE Description</b>	IEEE 802.3af, each port power is 15.4W; Port1 to Port8 support PoE power; End-span(1/2+, 3/6- line pair) power supply, can be customized mid-span(4/5+, 7/8- line pair) power supply	IEEE 802.3af, each port power is 15.4W; Port1 to Port8 support PoE power; End-span(1/2+, 3/6- line pair) power supply, can be customized mid-span(4/5+, 7/8- line pair) power supply	IEEE 802.3af, each port power is 15.4W; Port1 to Port16 support PoE power; The even number Port(1/3/5/7/9/11/13/15) is end-span(1/2+, 3/6- line pair) power supply, the odd number port(2/4/6/8/10/12/14/16) is mid-span(4/5+, 7/8- line pair) power supply	IEEE 802.3at, each port power is 15.4W; Port1 to Port24 support PoE power; The even number Port(1/3/5/7/9/11/13/15/17/19/21/23) is end-span(1/2+, 3/6- line pair) power supply, the odd number port(2/4/6/8/10/12/14/16/18/20/22/24) is mid-span(4/5+, 7/8- line pair) power supply
<b>Network Protocols and Standards</b>	IEEE 802.3; IEEE 802.3u; IEEE 802.3ab; IEEE 802.3x Flow Control; IEEE 802.1af DTE Power via MDI IEEE 802.3af			
<b>LED Indicator Status</b>	System: Power Every Port: connection status, PoE working status			
<b>Power</b>	IEEE 802.3af international standard, each PoE port power output is 15.4W			



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OUTDOOR NETWORK  
APPLIANCE COMPANY

Product Information Online: <http://www.inscapedata.com/linkpower2000af.htm>

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Total Turnkey Solutions for Outdoor PoE, Wired/Wireless, and IP Video Applications

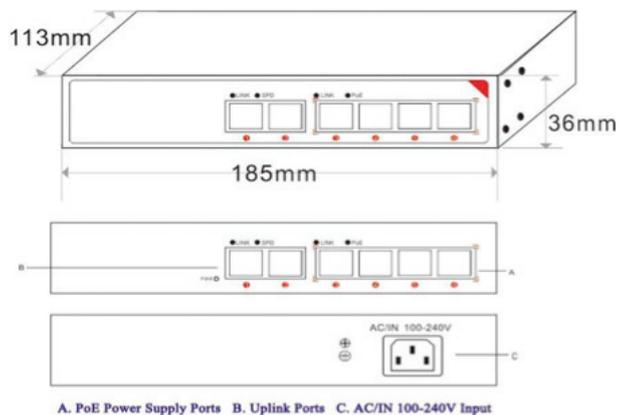
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PRODUCT DIMENSIONS

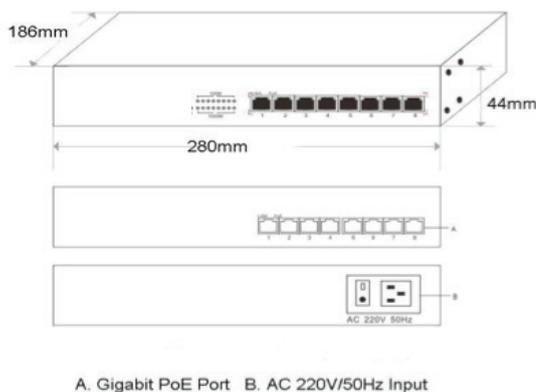
**LinkPower2004AF-2G**

**WxHxD (mm): 185 x 113 x 36mm**



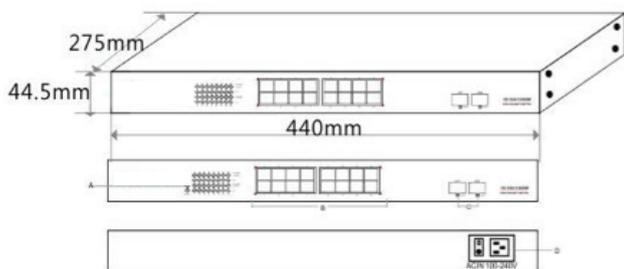
**LinkPower2008AF**

**LxWxH (mm): 280 x 186 x 44mm**



**LinkPower2016AF-2F**

**WxHxD (mm): 440 x 275 x 44.5 mm**



**LinkPower2024AF-2F**

**WxHxD (mm): 440 x 275 x 44.5 mm**

