

## 24+2+2 PORT 150M Long Distance PoE Switch

## HV-X2402-PS-FG-S2

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## **FEATURES**

- 24\*10/100/1000Mbps PoE ports, 2\*10/100/1000Mbps uplink port, 2\*1000Mbps SFP Slot
- Support IEEE802.3af/at
- 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: 300W
- Adopts store-and-forward architecture
- Fanless, natural cooling, small,compact and quiet design, suitable for desktop or wall
- Support lightning protection 4KV

Newbridge®HV-X2402-PS-FG-S2series 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 24 PoE-powered RJ45 ports, 2 RJ45 uplink ports and 2 independent SFP expansion slot. All of twenty-four RJ45 ports support IEEE 802.3af/at standard, with a maximum power supply of 30W for a single port and 300W 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.

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**Specifications** 

## HV-X2402-PS-FG-S2

Power Power Power Power Spring Pack Table         Power Data Pack Table         AC 110V-240V           Network Connector         Network Port         Ethernet Port         1~24 Port : 10/100/1000Mbps           Network Connector         Port         SFP Port         SFP Port: 2*1000Mbps SFP           Network Connector         Transission Distance         Uplink Port : 0 ~ 100m         Uplink Port : 0 ~ 100m           Network Power Power Power Power Power Pack Table         Network Standard         TEEE802.3/802.3u, IEEE802.3k02.3u, IEEE802.3s, IEEE802.3b           Network Switch         Throughput         4.1664Mpps           Network Switch         Poke Table         2K           Network Switch         Poke Standard         IEEE 802.38f2           Network Switch         Poke Standard         IEEE 802.38f2         Networ	ltem			Description
Network	Power	Power Adapter Voltage		AC 110V-240V
Network Port         Ethernet port SFP Port         Uplink Port : 2*10/100/1000Mbps           Network Connector         Transmission Distance         1~24 Port : 100/1000Mbps:0~100m           Network Connector         Transmission Distance         Uplink Port : 0 ~ 100m           Transmission Medium         Cat5/5e/6 standard network cable           Network Switch         Network Standard         IEEE802.3/802.3u, IEEE802.3b           Packet buffer memory         1Mbits           Network Switch         Throughput         41.664Mpps           MAC Table         2K           Paket Forwarding Rate         100Mbps:14880pps/port           1000Mbps:148800pps/port         1000Mbps:148800pps/port           1000Mbps:148800pps/port         1000Mbps:148800pps/port           Power Over Ethernet         PoE Power Supply         12.45 + ,36 78 - ,8 core power supply           Ethernet         PoF Power 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         LINK/ACT.100Mbps;PoE Status Indicator; Power indicator; Extender           Environmental         Relative Humidity         20~95%           Storage temperature         -20°0~70°C		Consumption		300W
Network Connector         Feat         SFP Port         SFP Port: 2*1000Mbps SFP           Network Connector         Transmission Distance         Uplink Port: 0 ~ 100m           Transmission Medium         Cat5/5e/6 standard network cable           Network Standard         SFP: depends on the optical module(20km100km)           Network Standard         State8802.3x,IEEE802.3x,IEEE802.3x,IEEE802.3x,IEEE802.3x           Paket Forwarding Rate         PoE Standard         IEEE 802.34(b           Power Over Power Supply         PoE Standard         IEEE 802.34(b)           Ethernet         PoE Power         Power priority mechanism, fast and forward, MAC automatic learning and aging IEEE802.3X Full-duplex and mode			PoE Ethernet Port	$1{\sim}24$ Port : $10/100/1000$ Mbps
Network Connector  Transmission Distance  Transmission Medium  Transmission Medium  Transmission Medium  Network Standard  SFP: depends on the optical module(20km100km)  Transmission Medium  Network Standard  IEEE802.3/802.3/802.3/,  IEEE802.3x,IEEE802.ab  Switching Capacity  Packet buffer memory  Packet buffer memory  IMbits  Network Switch  Throughput  A1.664Mpps  AAC Table  Paket Forwarding Rate  PoE Standard  Power Over Ethernet  PoE Power  The Power Supply  Poer Power  Poer Power  Poer Power  Poer Function  Port Function  Port Function  LED Indicator  Working temperature  Relative Humidity  Relative Humidity  Power Dower  Relative Humidity  Power Dower  Relative Humidity  Power Port Company Co		Network	Ethernet port	Uplink Port: 2*10/100/1000Mbps
Connector  Transmission Distance  Uplink Port : 0 ~ 100m  SFP: depends on the optical module(20km100km)  Transmission Medium  Cat5/5e/6 standard network cable  Network Standard  IEEE802.3/802.3u, IEEE802.as, IEEE802.ab  Switching Capacity  Packet buffer memory  1Mbits  Network Switch  Throughput  AL.664Mpps  MAC Table  Paket Forwarding Rate  100Mbps:14880pps/port  1000Mbps:148800pps/port  1000Mbps:1488000pps/port  1000Mbps:1488000pps/port  1000Mbps:1488000pps/port  PoE Power Supply  Ethernet  PoE Power Supply  12 45 + ,36 78 - ,8 core power supply  Ethernet  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  LINK/ACT.100Mbps;PoE Status Indicator; Power indicator; Extender  Working temperature  Working temperature  Relative Humidity  20~95%  Storage temperature  -20°~70°		Port	SFP Port	SFP Port: 2*1000Mbps SFP
Uplink Port : 0 ~ 100m  SFP: depends on the optical module(20km100km)  Transmission Medium  Cat5/5e/6 standard network cable  Network Standard  IEEE802.3/802.3u, IEEE802.3x,IEEE802.ab  Switching Capacity Packet buffer memory  1Mbits  Throughput 41.664Mpps  MAC Table 2K 10Mbps:14880pps/port Paket Forwarding Rate 100Mbps:148800pps/port 1000Mbps:148800pps/port 10				1~24 Port : 100/1000Mbps:0~100m
SFP: depends on the optical module(20km100km)  Transmission Medium Cat5/5e/6 standard network cable  Network Standard IEEE802.3/802.3u, IEEE802.3x,IEEE802.ab  Switching Capacity Facket buffer memory 1Mbits  Network Switch Throughput A1.664Mpps MAC Table ZK 10Mbps:14880pps/port Paket Forwarding Rate 100Mbps:148800pps/port 1000Mbps:148800pps/port 1000Mbps:148800pps/port 1000Mbps:1488000pps/port 1000Mbps:148800pps/port 1000Mbps:1488000pps/port 1000Mbps:1488000pps/port 1000Mbps:1488000pps/port 1000Mbps:1488000pps/port 1000Mbps:1488000pps/port 1000Mbps:1488000pps/port 1000Mbps:1488000pps/port 1000Mbps:148800pps/port 1000Mbps:14				
Transmission Medium  Cat5/5e/6 standard network cable  Network Standard  REEE802.3/802.3u, REEE802.ab  Switching Capacity Packet buffer memory Packet buffer memory  Network Switch  Throughput A1.664Mpps  MAC Table ZK  10Mbps:14880pps/port Paket Forwarding Rate Power Over Ethernet PoE Power Ethernet PoE Power Poer Power Port Function Port Function  LED Indicator Environmental Environmental Relative Humidity Switch Rights Switching Capacity Redative Humidity Redative Humidity Poer Supply Richard Riefsend Redative Humidity Richard R				·
Network Standard    IEEE802.3/802.3u,   IEEE802.ab				
Switching Capacity   56Gbps     Packet buffer memory   1Mbits     Throughput   41.664Mpps     MAC Table   2K     Paket Forwarding Rate   100Mbps:14880pps/port     Power Over Ethernet   PoE Power Supply   12 45 + ,36 78 - , 8 core power supply     Ethernet   Port Function   Power for Half-duplex and mode and backpressure for Half-duplex mode     LED Indicator   LED Indicator   Relative Humidity     Environmental   Relative Humidity   20~95%     Storage temperature   -20°~70°     Imbits   56Gbps     690ps   1400ps     1400ps;148800pps/port     1000mbps;148800pps/port				
Switching Capacity       56Gbps         Packet buffer memory       1Mbits         Throughput       41.664Mpps         MAC Table       2K         10Mbps:14880pps/port       100Mbps:148800pps/port         Paket Forwarding Rate       100Mbps:148800pps/port         Power Over       PoE Standard       IEEE 802.3af/at         Power Over       PoE Power Supply       12 45 + ,36 78- , 8 core power supply         Ethernet       PoE Power       af=15.4W,at=30W         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       LINK/ACT.100Mbps; PoE Status Indicator; Power indicator; Extender         Working temperature       0℃~55℃         Environmental       Relative Humidity       20~95%         Storage temperature       -20℃~70℃		Network Standard		·
Packet buffer memory       1Mbits         Network Switch       Throughput       41.664Mpps         MAC Table       2K         100Mbps:14880pps/port       100Mbps:14880pps/port         Paket Forwarding Rate       100Mbps:148800pps/port         1000Mbps:1488000pps/port       1000Mbps:1488000pps/port         Power Over       PoE Power Supply       12 45 + ,36 78- , 8 core power supply         Ethernet       PoE Power       af=15.4W,at=30W         Power priority mechanism, fast and forward, MAC automatic learning and aging IEEE802.3X Full-duplex and mode and backpressure for Half-duplex mode       LINK/ACT.100Mbps;PoE Status Indicator; Power indicator; Extender         LED Indicator       LED Indicator       LINK/ACT.100Mbps;PoE Status Indicator; Power indicator; Extender         Environmental       Relative Humidity       20~95%         Storage temperature       -20°C~70°C				IEEE802.3x,IEEE802.ab
Network Switch    MAC Table   2K   10Mbps:14880pps/port   100Mbps:148800pps/port   1000Mbps:148800pps/port   1000Mbps:148800pps/port   1000Mbps:1488000pps/port   1000Mbps:148800pps/port   1000Mbps:1488000pps/port   1000Mbps:148800pps/port   1000Mbp	Network Switch	Switching Capacity		56Gbps
MAC Table  MAC Table  Paket Forwarding Rate  Power Over Ethernet  RJ45 port  Port Function  LED Indicator  LED Indicator  Environmental  Relative Humidity  Storage temperature  MAC Table  2K  10Mbps:14880pps/port  100Mbps:148800pps/port  1000Mbps:148800pps/port  1000Mbps:14800pps/port  1000Mbps:14800pps/port  1000Mbps:148800pps/port  1000Mbps:14800pps/port  1000Mbps:14800pps/port  1000Mbps:14800pps/port  1000Mbps:14800pps/port  1000Mbps:14800pps/port  1000Mbps:14800pps/port  1000Mbps:14800pps/port  1000Mbps:14800pps/port  1000Mbps:14800pps/port  1000Mbps:14800ps/port  1000Mbps:14800ps/port		Packet buffer memory		1Mbits
10Mbps:14880pps/port   100Mbps:148800pps/port   1000Mbps:148800pps/port   1000Mbps:148800pps/port   1000Mbps:1488000pps/port   1000Mbps:148800pps/port   1000Mbps:148800pps/port   1000Mbps:1488000pps/port   1000Mbps:148800pps/port   1000Mbps:148800p		Throughput		41.664Mpps
Paket Forwarding Rate  100Mbps:148800pps/port 1000Mbps:1488000pps/port 1000Mbps:1488000pps/port  PoE Standard  Power Over Ethernet  PoE Power Supply PoE Power  PoE Power  PoE Power  Power priority mechanism, fast and forward, MAC automatic learning and aging IEEE802.3X Full-duplex and mode and backpressure for Half-duplex mode  LINK/ACT.100Mbps;PoE Status Indicator; Power indicator; Extender  Working temperature  Port Function  Relative Humidity Port Function  Storage temperature  100~75°C  20~95%  Storage temperature -20°~70°C		MAC Table		2K
PoE Standard   IEEE 802.3af/at		Paket Forwarding Rate		10Mbps:14880pps/port
Power Over Ethernet PoE Power Supply Ethernet PoE Power PoE Power PoE Power PoE Power PoE Power PoE Power Power priority mechanism, fast and forward, MAC automatic learning and aging IEEE802.3X Full-duplex and mode and backpressure for Half-duplex mode LINK/ACT.100Mbps;PoE Status Indicator; Power indicator; Extender Working temperature PoE Power Vower priority mechanism, fast and forward, MAC automatic learning and aging IEEE802.3X Full-duplex and mode and backpressure for Half-duplex mode LINK/ACT.100Mbps;PoE Status Indicator; Power indicator; Extender Vorking temperature PoE Power Vower priority mechanism, fast and forward, MAC automatic learning and aging IEEE802.3X Full-duplex and mode and backpressure for Half-duplex mode  LINK/ACT.100Mbps;PoE Status Indicator; Power indicator; Extender Vorking temperature PoE Power Vower priority mechanism, fast and forward, MAC automatic learning and aging IEEE802.3X Full-duplex and mode and backpressure for Half-duplex mode  LINK/ACT.100Mbps;PoE Status Indicator; Power Vower indicator; Extender Vorking temperature  Storage temperature  Power priority mechanism, fast and forward, MAC automatic learning and aging IEEE802.3X Full-duplex and mode and backpressure for Half-duplex mode  LINK/ACT.100Mbps;PoE Status Indicator; Power  indicator; Extender  Vorking temperature  Storage temperature  Poc~55°C  Storage temperature  -20°C~70°C				100Mbps:148800pps/port
Power Over Ethernet PoE Power Supply PoE Power PoE Power PoE Power PoE Power PoE Power PoE Power Pomer Priority mechanism, fast and forward, MAC automatic learning and aging IEEE802.3X Full-duplex and mode and backpressure for Half-duplex mode LINK/ACT.100Mbps;PoE Status Indicator; Power indicator; Extender Working temperature Port Function 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 LINK/ACT.100Mbps;PoE Status Indicator; Power indicator; Extender 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 Power priority mechanism, fast and forward, MAC automatic learning and aging IEEE802.3X Full-duplex and mode and backpressure for Half-duplex mode  LINK/ACT.100Mbps;PoE Status Indicator; Power  Indicator; Extender  Vor~55℃ Relative Humidity Power priority mechanism, fast and forward, MAC automatic learning and aging IEEE802.3X Full-duplex and mode and backpressure for Half-duplex mode  LINK/ACT.100Mbps;PoE Status Indicator; Power  Indicator; Extender  Vor~55℃  Relative Humidity Power priority mechanism, fast and forward, MAC automatic learning and aging IEEE802.3X Full-duplex and mode and backpressure for Half-duplex mode  LINK/ACT.100Mbps;PoE Status Indicator; Power  Indicator indicator; Power  Storage temperature Power priority mechanism, fast and forward, MAC automatic learning and aging IEEE802.3X Full-duplex and mode and backpressure for Half-duplex mode  LINK/ACT.100Mbps;PoE Status Indicator; Power  Indicator indicator indicator indicator; Power  Indicator indicator indicator indicator indicator; Power  Indicator indicator indicator indicator indicator; Power  Indicator indicator indicator indicator indicator indicator; Power  Indicator				1000Mbps:1488000pps/port
Ethernet PoE Power $af=15.4W,at=30W$ Power priority mechanism, fast and forward, MAC automatic learning and aging IEEE802.3X Full-duplex and mode and backpressure for Half-duplex mode  LINK/ACT.100Mbps; PoE Status Indicator; Power indicator; Extender  Working temperature $0^{\circ}\sim55^{\circ}$ Environmental Relative Humidity $20\sim95\%$ Storage temperature $-20^{\circ}\sim70^{\circ}$		PoE Standard		IEEE 802.3af/at
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  Environmental  Relative Humidity  Storage temperature  Power priority mechanism, fast and forward, MAC automatic learning and aging IEEE802.3X Full-duplex and mode and backpressure for Half-duplex mode  LINK/ACT.100Mbps;PoE Status Indicator; Power indicator; Extender  0°C~55°C  Relative Humidity  20~95%  Storage temperature  -20°C~70°C	Power Over	PoE Power Supply		12 45 + ,36 78- , 8 core power supply
RJ45 port Port Function Port Function  Backpressure for Half-duplex and mode and backpressure for Half-duplex mode  LINK/ACT.100Mbps;PoE Status Indicator; Power indicator; Extender  Working temperature  Environmental Relative Humidity Storage temperature  Port Function  Backpressure for Half-duplex and mode and backpressure for Half-duplex mode  LINK/ACT.100Mbps;PoE Status Indicator; Power indicator; Extender  20~25°C  Storage temperature  -20°C~70°C	Ethernet	PoE Power		af=15.4W,at=30W
Port Function backpressure for Half-duplex mode LINK/ACT.100Mbps; PoE Status Indicator; Power indicator indicator; Extender Working temperature $0^{\circ}\sim55^{\circ}$ C Relative Humidity $20\sim95\%$ Storage temperature $-20^{\circ}\sim70^{\circ}$ C	RJ45 port			Power priority mechanism, fast and forward, MAC automatic
LED Indicator  LED Indicator  LED Indicator  Working temperature  Environmental  Relative Humidity  Storage temperature  LINK/ACT.100Mbps;PoE Status Indicator; Power indicator; Extender  0°C~55°C  20~95%  -20°C~70°C				learning and aging IEEE802.3X Full-duplex and mode and
LED IndicatorLED Indicatorindicator; ExtenderWorking temperature $0^{\circ}\!$		Port Function		backpressure for Half-duplex mode
Environmental Working temperature $0^{\circ}\sim55^{\circ}$ Relative Humidity $20\sim95\%$ Storage temperature $-20^{\circ}\sim70^{\circ}$				LINK/ACT.100Mbps;PoE Status Indicator; Power
Environmental Relative Humidity 20~95% Storage temperature -20°C~70°C	LED Indicator	Indicator LED Indicator		indicator;Extender
Storage temperature -20℃~70℃	Environmental	Working temperature		0℃~55℃
		Relative Humidity		20~95%
Dimension (L×W×H) 440mm*192mm*45m		Storage temperature		-20℃~70℃
	Mechanical	Dimension (L×W×H)		440mm*192mm*45m
Mechanical Color Black		Color		Black
Weight 2.6kg		Weight		2.6kg

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