

# Axis2400R

## 24-PORT GIGABIT POE+ RACK MOUNTABLE SWITCH



NSW-A2848PUR

### High-performance networking for seamless data transfer

The Axis2400R is an unmanaged, rack-mountable Gigabit Ethernet switch, purpose-built for small and medium-sized businesses that demand reliable, high-speed network connectivity. With twenty-four (24) UTP/STP RJ-45 PoE+ ports supporting 10/100/1000 Mbps and advanced features like auto MDI/MDIX and polarity switching, this switch minimizes network congestion and ensures efficient data flow. Its store-and-forward functionality guarantees that data packets are accurately delivered to each port.

Designed with a compact, 19-inch rack-mountable chassis, it is the ideal solution for upgrading networks with improved performance, stability, and scalability. Whether you're powering multiple devices or optimizing your network's efficiency, the Axis2400R delivers exceptional results to meet the demands of modern networks.

### Highlights

- 24-port Gigabit switch: Auto-sensing 10/100/1000Mbps.
- Connect 24 devices: RJ45 ports with auto-negotiation.
- PoE+ (480W): Ports 1-8 support BT (90W); ports 9-24 support AF/AT (30W).
- Standards compliant: Compatible with IEEE 802.3, 802.3u, 802.3ab, 802.3x.
- Transmission: Up to 328 ft and 1,000 Mbps speed.
- MAC management: Auto-learning and auto-aging.
- Auto MDI/MDIX: Cable type detection for easy setup.
- LED indicators: Monitor power, link, and activity.
- SFP modules: 4 ports for high-speed fiber connections and extended coverage.
- Plug and play: No configuration required.
- Robust design: Compact metal case with passive cooling for quiet operation.



**24 UTP / STP GIGABIT POE+ PORTS**  
**10 / 100 / 1000MBPS**



**Auto-negotiation ports**



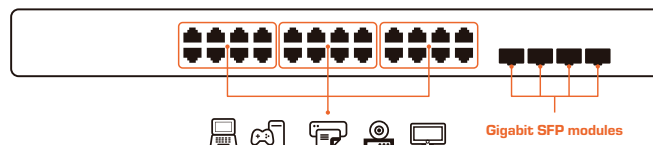
**Energy-efficient**  
optimizes power consumption



**Hassle-free**  
plug and play configuration



**4 100/1000M**  
Ethernet SFP



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RACK MOUNTABLE SWITCH

### Technical specifications

Model	NSW-A2848PUR
<b>Hardware specifications</b>	
Chipset	EN8853D+RTL8238B+RTL8239
Standards	IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3x
Port interface	24 10/100/1000M Ethernet RJ45 4 100/1000M Ethernet SFP
Network media	10BASE-T: UTP category 3,4,5 cable [maximum 100 m] EIA/TIA-568 100Ω STP [maximum 100 m] 100BASE-TX: UTP category 5,5e cable [maximum 100 m] EIA/TIA-568 100Ω STP [maximum 100 m] 1000BASE-T: UTP category 5,5e,6 or above cable [maximum 100m] EIA/TIA-568 100Ω STP [maximum 100 m]
Downlink	24 10/100/1000M Ethernet RJ45
Uplink	4 100/1000M Ethernet SFP
Flash	8MB
SDRAM	256K
Data rate	56Gbps
Forwarding rate	41.66Mpps
PoE standard	IEEE 802.3af, IEEE 802.3at, IEEE 802.3bt
PoE ports	1~24
PoE power budget	480W
Auto MDI/MDIX	Supported
SFP ports	25~28
LED indicators	<p>Power status indicator light:</p> <ul style="list-style-type: none"> <li>• Green light is always on: The switch is powered on</li> <li>• Indicator light is off: The switch is not powered on</li> </ul> <p>System status indicator light:</p> <ul style="list-style-type: none"> <li>• Blinking green: The switch system is up</li> <li>• Steady green: The switch is being started</li> </ul> <p>POE power warning light:</p> <ul style="list-style-type: none"> <li>• Steady red: The POE belt is overloaded</li> <li>• Red light off: POE power is normal</li> </ul> <p>POE indicator light:</p> <ul style="list-style-type: none"> <li>• Orange light is always on: POE loaded</li> <li>• Orange light is always off: POE not loaded</li> </ul> <p>RJ45 electrical port Link/Act indicator light:</p> <ul style="list-style-type: none"> <li>• Green light is always on: Port 10M/100M/1000M Link up</li> <li>• Green light is flashing: Port 10M/100M/1000M data transmission and reception</li> <li>• Indicator light is off: Port not connected</li> </ul> <p>SFP optical port Link/Act indicator light:</p> <ul style="list-style-type: none"> <li>• Green light is always on: Port 10M/100/1000M Link up</li> <li>• Green light is flashing: Port 10M/100M/1000M data transmission and reception</li> <li>• Indicator light is off: Port not connected</li> </ul>

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<b>Hardware specifications</b>	
AC input range	100-240V, 50/60Hz
Power consumption	POE Power: 480W   Total power: 560W
Rack mountable	Supported
Product dimensions	17.32 x 10.23 x 1.73 in
Product weight	124.85 oz
Lightning proof power supply protection	4KV 2
Built-in fan	Performance specifications
<b>Performance specifications</b>	
Backplane bandwidth	56Gbps
Packet filtering / Forwarding rate	14880pps (10Mbps) per port 148800pps (100Mbps) per port
MAC address table	8K
MAC address learning	Auto-learning, auto-aging
Pack buffer	4M
Switching method	Store-and-forward
<b>Other specifications</b>	
Operating temperature	32°F~113°F
Storage humidity	-40°F~158°F
Operating humidity	5%-95% No Condensation
Storage humidity	5%-95% No Condensation
Installation	Rack mounted
Certification	NOM
Box dimensions	20.66 x 13.77 x 3.58 in
Box weight	128.73 oz
Warranty and support	5-year warranty
Package contents	24+4-port switch, AC power cable, Grounding cable, Rack kit (ears (x2), screws (x4)), Rubber pads