Product Specification Sheet

KU-9024N
(52V Standard PoE: IEEE802.3af/at)



The KU-9024N provides an economical solution for business and home networks that require simplified installation of wireless access points (APs) and IP-based network cameras. These devices are often ideally mounted high on walls or ceilings, far from power outlets. This PoE switch eliminates the hassle of running dedicated power outlets to these devices, enabling flexible connectivity for equipment where AC power access is difficult and minimizing installation costs.

Product Features:

◆ Supports power supply for network surveillance cameras via Cat5e or better Ethernet cables.
◆ 24 x 10/100M RJ45 Ports + 2 x 1000M Combo TP/SFP Unmanaged PoE Switch; Ports 1-24 support IEEE 802.3af/at international standard.
◆ Supports Auto MDI/MDIX.
◆ Uplink ports are two 1000Mbps Combo (Copper/SFP) interfaces; optical ports are SFP fiber interfaces.
◆ Supports lightning protection for network ports and power input port (meets secondary lightning protection requirements).
◆ Maximum PoE Power Budget: 400W.
◆ Per-port power supply: 15.4W/30W.
◆ Utilizes Store-and-Forward switching mechanism.

Product Ordering Information:

Product Model: KU-9024N
Product Description: 24-Port 10/100M + 2-Port 10/100/1000M Switch (2 x Gigabit Combo Copper/Fiber Ports), supports 24-port Fast Ethernet PoE functionality, IEEE 802.3af/at international standard, per-port power 15.4W/30W, total power budget 400W. Standard 1U rack-mount design.
Ordering Notes: Default PoE power supply mode is End-Span (pairs 1/2, 3/6). Mid-Span (pairs 4/5, 7/8) PoE power supply mode is available upon request.

Product Packaging List:

Packaging Contents	1U Rack-Mount Fast Ethernet Switch with 24-Port PoE Capability, Model KU-9024N
	Power Cord

Item	Description
Product Name	24-Port Fast/Gigabit PoE Switch
Model	KU-9024N
Port Configuration	24 × 10/100 Mbps RJ45 ports + 2 × 1000M Combo TP/SFP ports; unmanaged PoE switch; ports 1–24 support IEEE 802.3af/at
Network Media	10BASE-T: Cat3, Cat4, Cat5 UTP (≤100m); 100BASE-TX: Cat5 or above UTP (≤100m); 1000BASE-T: Cat5 or above UTP (≤100m)
Switching Capacity	14.8 Gbps (Non-blocking)
Forwarding Mode	Store-and-forward (All ports support wire-speed forwarding)
MAC Address Table	16K
Network Protocols	IEEE 802.3; IEEE 802.3u; IEEE 802.3ab; IEEE 802.3z; IEEE 802.3x; IEEE 802.3af/at
Additional Hardware Features	Gigabit SFP slot with LC interface (SFP module not included)
PoE Ports	Ports 1–24 support IEEE 802.3af/at PoE power supply (15.4W/30W)
PoE Standard	Complies with IEEE 802.3af/at; max 30W per port
PoE Mode	Default: End-span; Optional: Mid-span
PoE Port Power	15.4W (IEEE 802.3af) / 30W (IEEE 802.3at) per port
PoE Pin Assignment	Default: 1/2(+), 3/6(-); Optional: 4/5(+), 7/8(-)
Environmental Specifications	Operating Temp: -20°C to 55°C; Storage Temp: -40°C to 75°C; Operating Humidity: 10%–90% (non-condensing); Storage Humidity: 5%–95% (non-condensing); Operating Altitude: ≤3000m (10,000 ft); Storage Altitude: ≤3000m (10,000 ft)
EMC Compliance	CE Mark (Commercial); FCC Part 15 Class B; VCCI Class B; EN 55022 (CISPR 22) Class B
Power Supply	AC 100–240V; 50/60Hz; 400W
LED Indicators	Power (PWR); Network Link; SFP L/A; PoE Status
Dimensions & Weight	430 × 200 × 44 mm; 5 kg
After-sales Service	3-Year Warranty; Lifetime Maintenance
Package Contents	Switch; AC Power Cable; Mounting Kit; Installation Guide; Warranty/User Support Card