Product Specification

KU-9016N

(52V Standard POE: IEEE802.3af/at)



The KU-9016N 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 wireless access points (APs) and network surveillance cameras (IP cameras) via Cat5e or better Ethernet cables.
◆ 16 x 10/100 Mbps + 2 x 10/100/1000 Mbps adaptive RJ45 ports, with 2 x SFP combo Gigabit uplink optical ports.
◆ Supports Auto MDI/MDIX.
◆ Uplink Port: SFP interface.
◆ Maximum PoE Power Budget: 250W (Total across all PoE ports, Ports 1 to 16).
◆ Ports 1 to 16 support standard IEEE802.3af/at power supply (per port power: 15.4W/30W).
◆ All ports support wire-speed switching; line-rate performance achievable for frame lengths from 64 to 1536 bytes.
◆ Standard 1U rack-mount design for convenient installation in equipment cabinets.

Product Ordering Information:

Product Model: KU-9016N
Product Description: 18-Port 10/100/1000Mbps Ethernet Switch, IEEE 802.3af/at international standard, per-port power 15.4W/30W, total power budget 250W.
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 List	18-Port 10/100/1000Mbps PoE Ethernet Switch KU-9016N
	Power Cord
	Quick Start Guide

Product packaging list:

Item	Description
Product Name	10/100M 18-Port PoE Switch
Model	KU-9016N
Port Configuration	16 × 10/100 Mbps RJ45 ports; 2 × 10/100/1000 Mbps adaptive RJ45 ports; 2 × Gigabit SFP uplink combo ports
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
Additional Hardware Features	Gigabit SFP slot with LC interface (SFP module not included)
PoE Ports	Ports 1–16 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(-)
Operating Environment	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); Altitude: ≤3000m
EMC Compliance	CE; FCC Part 15 Class B; VCCI Class B; EN 55022 (CISPR 22) Class B
Power Supply	AC 100–240V, 50/60Hz, 250W
LED Indicators	PWR; Link; SFP L/A; PoE Status

Dimensions & Weight	430 × 200 × 44 mm; 5 kg
Warranty	3-Year Warranty; Lifetime Technical Support
Package Contents	Switch; AC Power Cable; Mounting Kit; Installation Guide; Warranty/User Support Card