Product Specification Sheet

KU-9016G

(52V Standard POE: IEEE 802.3af/at)



The KU-9016G offers an economical solution for commercial and home networks that require simplified installation of wireless access points (APs) and IP-based network cameras. These devices, often installed far from power outlets, are suitable for mounting on high walls or ceilings. This PoE switch eliminates the need for dedicated power outlets, providing greater flexibility for devices with limited AC power access and minimizing installation costs.

Product Features:

◆ Supports powering network surveillance cameras via Cat5e Ethernet cables

◆ 16 x 10/100/1000 Mbps RJ45 ports + 2 x 1000 Mbps uplink ports + 2 x 1000 Mbps SFP ports Unmanaged PoE switch, with ports 1-24 supporting IEEE 802.3af/at international standards

◆Supports port auto MDI/MDIX

◆Optical ports utilize SFP fiber interfaces

◆Provides lightning protection for network ports and power input (compliant with Level 2 lightning protection requirements)

◆Maximum PoE power: 250 W

◆Power per port: 15.4 W / 30 W

◆Employs store-and-forward switching mechanism

Product ordering information:

Product model: KU-9016G

Product description: 16 ports of 10/100/1000Mbps + 2 ports of 1000Mbps Uplink, 2 ports of 10/100/1000Mbps switch (2 Gigabit SFP slots), supporting 24-port Gigabit PoE functionality, compliant with IEEE 802.3af/at international standards. Power per port: 15.4W/30W, total power budget of 400W. Standard 1U rack-mount chassis.

Ordering note: The default PoE powering method is end-span wiring (pins 1/2 and 3/6 wire pairs); alternatively, mid-span wiring (pins 4/5 and 7/8 wire pairs) PoE powering method can be selected.

Product packaging list:

package content	The 1U rack-mounted fast Ethernet switch KU-9016G with 16-port PoE feature
	power cord

product name	16-port/Gigabit POE power supply switch
product model	KU-9016G
Port description	16-port 10/100/1000M+2 1000M UPlink+2*1000MSFP port POE switch, among which ports 1 to 16 support the IEEE 802.3af/at international standard
Network medium	10BASE-T: Category 3, 4, and 5 unshielded twisted pair (≤100 meters) 100BASE-TX: Category 5 and above unshielded twisted pair (≤100 meters) 1000BASE-T: Category 5 and above unshielded twisted pair (≤100 meters)

Backplane bandwidth	14.8Gbps (Non-blocking)
pass-through mode	Storage forwarding (all ports support wire-speed forwarding)
MAC Adress List	16K
networking standard	IEEE 802.3、IEEE 802.3u、IEEE 802.3ab、IEEE802.3z、IEEE 802.3x、IEEE802.3af/at
Other hardware features	Gigabit SFP optical module LC interface (standard configuration without optical module)
PoE Port	Ports 1 to 16 support IEEE802.3af/at (15.4W/30W) network power supply
PoE Standard	It complies with the IEEE 802.3af/at international standard, and the maximum power supply of a single port is 30W
PoE Type	Default terminal bridging method (intermediate bridging method is optional)
PoE Port characteristics	Power per port: 15.4W(IEEE802.3af)/30W(IEEE802.3at)
PoE Transmission wire core	Default 1/2+, 3/6- line pairs (Optional 4/5+, 7/8- line pairs)
environmental specification	Operating temperature: -20° C to 55°C, storage temperature: -40° C to 75°C, operating humidity: 10% to 90%, no condensation, storage humidity: 5% to 95%, no condensation, operating height: 3000 meters (10,000ft), storage height: 3000 meters (10,000ft)
electromagnetic radiation	CE mark, commercial 、FCC Part 15 Class B ， VCCI Class B EN 55022 （CISPR 22）， Class B
power supply	Input AC100-240V 50/60Hz, 250W
LEDs indicator	Power supply -PWR, network -Link, optical port -L/A, PoE working status
Packing	430mm*200mm*44mm,5kg
after-sales service	3-year warranty and lifetime maintenance
package content	Switch, AC power cord, hardware installation kit, installation guide, warranty/user support information card