Product Specification

KU-6004G

(52V standard PoE: IEEE 802.3af/at)



Product Features

- Supports power delivery to wireless access points (APs) and network surveillance cameras (IP cameras) via Category 5 Ethernet cables
- Ports 1–4 support standard IEEE 802.3af/at power delivery (maximum power output per port: 15.4W/30W)
- 4 auto-negotiating 10/100/1000 Mbps RJ45 ports
- Compliant with IEEE 802.3, IEEE 802.3u, and IEEE 802.3ab standards
- Flow control: Full-duplex uses the IEEE 802.3x standard; half-duplex uses the back-pressure standard
- Supports auto MDI/MDIX
- Supports network port surge protection (AC power port: differential mode ±2 kV, common mode ±4 kV)
- Maximum PoE power: 60 W (all PoE ports, ports 1–4)
- Uses a store-and-forward switching mechanism with 2MB of forwarding memory
- All ports support line-rate switching, achieving line-rate performance for frame lengths ranging from 64 to 1536 bytes
- Supports wall-mount design for easy installation and use
- Zero-configuration feature: Power is automatically supplied to auto-negotiating devices; plug-and-play operation requires no software or protocol conversion

Two high-speed uplink ports and two built-in Gigabit ports provide fast connections to servers or Gigabit-speed backplanes. With four 10/100/1000 Mbps ports, growing business networks, classrooms, and workgroups can benefit from outstanding performance while meeting the demands of network expansion. This high-performance switch features a non-blocking, wire-speed architecture with 12 Gbps switching capacity for maximum data throughput. All RJ45 ports automatically negotiate the highest connection speed, and Auto Uplink™ technology ensures proper network connectivity.

Flexibly connect up to four Gigabit Ethernet or Fast Ethernet devices, or mix and match up to four IP-based 802.3af/at Power over Ethernet (PoE) devices, optimizing installation and power management for network devices such as wireless access points (APs), IP voice (VoIP) phones, and IP cameras. Power over Ethernet (PoE) (IEEE 802.3af/at) performance is suitable for most new network installations, improving device efficiency and reducing installation time and costs. Easily deploy your wireless access points (APs) and IP cameras, eliminating the need for power outlets and providing uninterrupted power to all your PoE devices.

Convenient: Status indicator lights on the front panel make it easier to monitor the switch's status and facilitate troubleshooting. Plug-and-play functionality ensures seamless setup.

Reliable: Finally, this durable switch features a desktop-style metal housing. A matching rack-mount kit is included in the package.

Applications

◆ HD surveillance transmission and power supply
◆ Wireless AP deployment, transmission, and power supply
◆ VoIP transmission and smart home systems
◆ Intelligent Transportation Systems (ITS), Safe City, and Wireless City initiatives
◆ Highway surveillance systems, electronic road monitoring, and traffic enforcement systems
◆ Security surveillance systems for large-scale industrial plants and mines, and networked multifunctional systems
◆ Remote multimedia education/campus surveillance and video conferencing systems
◆ Building intercom systems, wireless communications, and video surveillance

Ordering Information:

Product Model: KU-6004G
Product Description: A PoE switch featuring 4 Gigabit PoE ports, 1 Gigabit uplink port, and 1 SFP port. Ports 1–4 support PoE in accordance with the IEEE 802.3af/at international standards, with a maximum power output of 15.4W per port and a total power output of 60W; or in accordance with the IEEE 802.3at international standards, with a maximum power output of 30W per port and a total power output of 72W. Ordering Notes: The default PoE power delivery method is end-to-end wiring (pairs 12 and 36); mid-span wiring (pairs 45 and 78) is available as an option

Complete Product Package List:

Package Contents	4PG+2G 6-Port Gigabit PoE Switch (KU-6004G)
	AC power cord, hardware installation kit
	Quick Start Guide
	Warranty/Customer Support Information Card

List of technical parameters

Product Name	4PG+2G 6-port full Gigabit PoE power supply switch
product model	KU-6004G
Port description	6 10/100/1000M copper RJ45 ports, ports 1 to 4 support POE output (all ports support MDI/MDIX adaptive)
Network medium	100BASE-TX: Unshielded twisted pair of Category 5 or above (≤100 meters), 1000BASE-T: Unshielded twisted pair of category 5 or above (≤100 meters)
Backplane bandwidth	12Gbps(Non-blocking)
pass-through mode	Storage forwarding (wire-speed forwarding can be achieved), packet forwarding rate: 8.93Mpps
MAC adress	8K

networking protocol	IEEE 802.3、IEEE 802.3u、IEEE 802.3ab、IEEE 802.3x、IEEE802.3af、IEEE802.3at
PoE Port	Ports 1 to 4 support IEEE802.3af (15.4W) network power supply
PoE Strander	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)
PoE Total Power	60W
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, 72W
LEDs indicator light	Power supply -PWR, network -Link, PoE working status
packing specification	200mm*120mm*40mm，1kg
after-sales service	The switch comes with a 3-year warranty and lifetime maintenance
package content	Switch, AC power cord, hardware installation kit, installation guide, warranty/user support information card