Product Specification Sheet

KU-6006F

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



The KU-6006F provides solutions to simplify the installation of wireless access points (AP) and IP-based network cameras for commercial and home networks. These devices, typically located far from power outlets and often mounted on high walls or ceilings, benefit from PoE technology which eliminates the need for dedicated power outlet connections.

This resolves the inconvenience associated with traditional power supply requirements. It enables more flexible connectivity for devices that face challenges in accessing AC power, thereby minimizing installation costs. Featuring a compact and flexible design, the KU-6006F is an ideal choice for small commercial and home networks seeking cost-effective PoE deployment of wireless access points (AP) and IP-based network surveillance cameras.

Product Features:

◆Supports powering wireless APs or network surveillance cameras via Category 5e Ethernet cable; includes 2 optical ports for upstream and downstream cascading to facilitate cascade networking. Supports 18-megapixel cameras.

◆4 × 10/100/1000 Mbps adaptive RJ45 ports

◆2 × 10/100/1000 Mbps optical ports

◆Supports automatic MDI/MDIX

◆Supports surge protection on uplink ports

◆PoE total power: 75 W (ports 1 to 4)

◆VLAN port isolation transmission function for ports 1–4

◆Standard output power per port: 15.4 W; maximum power per single port: 30 W

◆ Employs a store-and-forward switching mechanism

◆ Fanless with natural cooling, compact and silent design suitable for desktop or wall mounting

Product Ordering Information:

Product Model: KU-6006F Product Description: 4 × 10/100/1000 Mbps ports + 2 × 10/100/1000 Mbps optical ports PoE switch, with ports 1 to 4 supporting PoE; each port provides a standard output power of 15.4W, maximum power per port 30W, total power budget 75W.

Ordering Remarks: Default PoE power supply method is end-span (1/2, 3/6 wire pairs); optional mid-span (4/5, 7/8 wire pairs) PoE power supply method is available.

Technical Specifications	
Product Name	10/100/1000M 4 Copper + 2 Fiber Full Gigabit Standard PoE Switch
Product Model	KU-6006F
Port Description	4 RJ45 Gigabit PoE Ports + 2 Gigabit SFP Ports
Network Media	10BASE-T: Category 3, 4, 5 Unshielded Twisted Pair (≤100m); 100BASE-TX: Category 5e or higher Unshielded Twisted Pair (≤100m)
Backplane Bandwidth	12Gbps
Forwarding Mode	Store-and-Forward
MAC Address Table	1K
Network Protocol	IEEE 802.3i、IEEE 802.3u、IEEE 802.3x Flow Control、IEEE 802.3af 、IEEE802.3at
Other Hardware Features	Selectable long-distance mode up to 250 meters via DIP switch; VLAN On/Off
PoE Ports	Ports 1-4 support IEEE 802.3af/at (15.4W/30W) Power over Ethernet
PoE Standard	Compliant with IEEE 802.3af/at international standards, maximum power 30W per port
PoE Type	Default end-span (mid-span optional)
PoE Port Characteristics	Power per port: 15.4W (IEEE 802.3af) / 30W (IEEE 802.3at)
PoE Power Delivery Pairs	Default pairs 1/2+ and 3/6- (optional pairs 4/5+ and 7/8-)
Total PoE Power	75W
Environmental Specifications	Operating temperature: -20°C to 55°C; storage temperature: -40°C to 75°C; operating humidity: 10% to 90%, non-condensing; storage humidity: 5% to 95%, non-condensing; operating altitude: up to 3000 meters (10,000 ft); storage altitude: up to 3000 meters (10,000 ft)
Electromagnetic Radiation	CE mark, commercial 、FCC Part 15 Class B，VCCI Class B EN 55022 （CISPR 22）， Class B
Power Supply	Input: AC 100-240V, 50-60Hz, Total Power: 75W
LED Indicators	Power: PWR, Network: L/A
Physical Specifications	200mm*120mm*40mm,1kg
After-sales Service	Switch with 3-year Warranty and Lifetime Maintenance
Package Contents	4-Port Gigabit + 2-Port Uplink Gigabit Standard PoE Switch, AC Power Cable, Quick Start Guide, Warranty/User Support Information Card