Product Specification Sheet

KU-6008F

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



The KU-6008F is designed for commercial and home networks requiring simplified installation of wireless access points (AP) and IP-based network cameras. These devices, often located far from power outlets, are ideal for mounting on high walls or ceilings. PoE technology eliminates the need for dedicated power connections to these devices, improving installation flexibility where AC power access is limited and minimizing overall installation costs. Featuring a compact and flexible design, the KU-6008F is an ideal solution for small commercial and home networks seeking cost-effective PoE deployment for wireless APs and IP-based surveillance cameras.

Product Features:

◆ Supports powering wireless APs or IP surveillance cameras via enhanced Category 5 Ethernet cables; includes two optical interfaces for upstream and downstream cascading, facilitating daisy-chain networking. Supports cameras up to 18 megapixels.

◆ 8 10/100/1000 Mbps adaptive RJ45 ports

◆ 2 10/100/1000 Mbps optical interfaces

◆ Supports port auto-flip (Auto MDI/MDIX)

◆ Uplink ports support surge protection

◆ PoE total power output: 150W (Ports 1 through 4)

◆ Features a long-distance switch that allows enabling or disabling VLAN port isolation and transmission functions on ports 1 to 4.

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

◆ Utilizes store-and-forward switching mechanism

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

Product Ordering Information:

Product Model: KU-6008F Product Description: 8×10/100/1000 Mbps ports + 2×10/100/1000 Mbps Optical Interfaces POE switch; ports 1–8 support POE with a standard output power of 15.4W per port, maximum power 30W per port, and total power budget of 150W.

Ordering Note: Default PoE power delivery is end-span (pairs 1/2, 3/6); mid-span (pairs 4/5, 7/8) power delivery optional.

Technical Specifications List	
Product Name	10/100/1000M 8-Port Copper + 2-Port Optical Standard PoE Switch
Product Model	KU-6008F
Port Description	8 x RJ45 Gigabit PoE Ports + 2 x Gigabit SFP Ports
Network Medium	10BASE-T: Category 3, 4, 5 Unshielded Twisted Pair (≤100m); 100BASE-TX: Category 5e or above Unshielded Twisted Pair (≤100m)
Backplane Bandwidth	20Gbps
Forwarding Method	Store-and-Forward
MAC Address Table	2K
Network Protocols	IEEE 802.3i、IEEE 802.3u、IEEE 802.3x Flow Control、IEEE 802.3af 、IEEE802.3at
Other Hardware Features	Selectable via DIP switch for 250m extended reach, VLAN On/Off
PoE Ports	Ports 1-8 support IEEE 802.3af/at Power over Ethernet (15.4W/30W)
PoE Standard	Complies with IEEE 802.3af/at international standards, with a maximum power output of 30W per port
PoE Type	Default end-span method (mid-span method available as an option)
PoE Port Characteristics	Power per port: 15.4W (IEEE 802.3af) / 30W (IEEE 802.3at)
PoE Power Transmission Wiring	Default wire pairs 1/2+ and 3/6- (optional 4/5+ and 7/8- pairs available)
Total PoE Power	150W
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: 72W
LED indicators	Power: PWR; Network: L/A
Physical specifications	282.5*178*44mm
After-sales service	3-year warranty on the switch; lifetime maintenance
Package contents	8-port Gigabit + 2-port uplink Gigabit Optical Interface standard PoE switch; AC input power cable; quick start guide; warranty and user support information card