Product Specification Sheet



KU-6011G

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

KU-6011G, 11-port full gigabit POE power supply switch; each port supports MDI/MDIX auto crossover functionality. Employs store-and-forward technology combined with dynamic memory allocation to ensure efficient resource distribution to each port. Flow control ensures minimal packet loss during data transmission and reception at network nodes. Designed for harsh environments with effective moisture resistance and heat dissipation, suitable for security and other industrial applications.

Product Features:

◆Supports power delivery for network surveillance cameras via Category 5 Ethernet cables
◆10 10/100/1000 Mbps adaptive RJ45 ports
◆Ports 1-8 support the IEEE 802.3af/at POE Standard
◆Compliant with IEEE 802.3, IEEE 802.3u, IEEE 802.3z, and IEEE 802.3ab standards
◆Provides lightning protection for network ports and power input ports, complying with Level 2 lightning protection standards
◆Maximum PoE power: 120 W (all PoE ports, ports 1 through 8)
◆Utilizes a store-and-forward switching mechanism
◆Backplane bandwidth up to 20 Gbps, non-blocking design supporting full line-rate forwarding
◆ Compliant with IEEE 802.3 10Base-T and IEEE 802.3u 100Base-TX standards

Product Ordering Information:

Product Model: KU-6011G
Product Description: Full Gigabit 11-port Power over Ethernet switch, ports 1–8 support PoE, compliant with IEEE 802.3af/at standards, single-port power output of 15.4W/30W, total device power budget of 150W, with built-in power supply

Ordering Remarks: Default PoE powering method is end-span (pins 1, 2 and 3, 6 pairs), with mid-span (pins 4, 5 and 7, 8 pairs) powering available as an option

Product Package List:

Package List	Full Gigabit 11-Port Power over Ethernet Switch (KU-6011G)
	AC Power Cord
	User Manual
	Warranty Card

Technical Specification List	
Product Name	11-Port Full Gigabit PoE Switch
Product Model	KU-6011G
Port Description	10 auto-negotiation 10/100/1000Mbps RJ45 ports + 2 Gigabit uplink ports + 1 Gigabit SFP port, with ports 1 to 8 supporting the IEEE 802.3af/at POE Standard
Network Media	100BASE-TX: Category 5 or higher unshielded twisted pair (≤ 100 meters); 1000BASE-TX: Category 5 or higher unshielded twisted pair (≤ 100 meters)
Backplane Bandwidth	20 Gbps (Non-blocking)
Forwarding Mode	Store-and-Forward
MAC Address Table	8K
Network Protocol	IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3x, IEEE 802.3af, IEEE 802.3at
PoE Ports	Ports 1–8 support IEEE 802.3af/at Power over Ethernet
PoE Standard	Compliant with IEEE 802.3af/at international standards, maximum power per port 30 W
PoE Type	Default end-span powering
PoE Port Features	Power per port: 15.4 W (IEEE 802.3af) / 30 W (IEEE 802.3at)
PoE Power Transmission Wire Pairs	Default supports power delivery via 1/2+, 3/6− wire pairs; optionally supports 4/5+, 7/8− wire pairs
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% RH, non-condensing; Storage Humidity: 5% to 95% RH, non-condensing; Operating Altitude: up to 3000 m (10,000 ft); Storage Altitude: up to 3000 m (10,000 ft)
Electromagnetic Radiation	CE mark, commercial 、FCC Part 15 Class B ， VCCI Class B EN 55022 （CISPR 22）， Class B
Power Supply	52V150W
LED Indicators	Power (PWR), Network Link (Link), PoE Status
Physical Specifications	270mm*180mm*40mm,1.5kg
After-sales Service	Switch 3-Year Warranty, Lifetime Support
Package Contents	Switch, AC Power Cord, Hardware Mounting Kit, Installation Guide, Warranty and User Support Information Card