

NS-6000GS-16P2U1S

16-Port Gigabit Unmanaged PoE Switch

*Intelligent PoE power management for IP surveillance
— 300W budget with IEEE 802.3af/at compliance*



The Nexakey NS-6000GS-16P2U1S is a high-performance 16-port Gigabit unmanaged PoE switch delivering 300W total power budget across IEEE 802.3af/at compliant ports. Featuring 2× Gigabit RJ45 uplink ports and 1× SFP fiber slot, this plug-and-play switch supports extended 250-meter transmission for mid-scale IP camera deployments, wireless access points, and VoIP systems. Built-in lightning protection, VLAN isolation, and intelligent power detection ensure reliable operation in demanding surveillance and enterprise network environments.

KEY FEATURES

- ✓ **16× Gigabit PoE Ports** — IEEE 802.3af/at compliant — up to 30W per port for IP cameras, APs, and VoIP phones
- ✓ **300W Total Power Budget** — intelligent power allocation ensures all connected devices receive stable, regulated PoE
- ✓ **2× Gigabit Uplink + 1× SFP Slot** — flexible connectivity to NVRs, core switches, or fiber backbone networks
- ✓ **Extended 250m Transmission** — supports long-distance PoE delivery for large campuses, warehouses, and parking lots
- ✓ **Plug & Play Operation** — unmanaged design — zero configuration required for instant deployment
- ✓ **Lightning Protection & VLAN** — port isolation and surge protection safeguard equipment in harsh environments

APPLICATIONS

- IP Surveillance & NVR Systems
- Wireless Access Point Deployments
- VoIP Phone Networks
- Enterprise Office Networks
- Smart Building & IoT Infrastructure
- Outdoor Security Installations

TECHNICAL SPECIFICATIONS

Model	NS-6000GS-16P2U1S	Switch Type	Unmanaged Gigabit PoE Switch
PoE Ports	16× 10/100/1000 Mbps (IEEE 802.3af/at)	PoE Power per Port	Up to 30W
Total PoE Power Budget	300W	Uplink Ports	2× Gigabit RJ45
SFP Slots	1× SFP (Fiber Uplink)	Switching Capacity	36 Gbps
Forwarding Rate	26.78 Mpps	Max Transmission Distance	250 meters (PoE + Data)
Power Supply	AC 100–240V, 50/60Hz (Built-In)	Lightning Protection	Port-Level Surge Protection
VLAN Support	Port Isolation	Operating Temperature	0°C ~ +45°C
Country of Origin	China	Certifications	CE, FCC, RoHS, IEEE 802.3af/at
Warranty	24 Months		

CERTIFICATIONS



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