

- Available with 5, 8, 16, or 24 ports; supports 10/100Mbps or 10/100/1000Mbps auto-negotiation depending on model.
- All ports support wire-speed switching with store-and-forward architecture, ensuring stable data flow.
- Each port supports up to 2KV surge protection for enhanced reliability in complex environments.
- Supports auto MDI/MDIX, no configuration needed — ideal for easy deployment and quick setup.
- Supports jumbo frames up to 9216 bytes, IEEE802.3x flow control, and QoS (IEEE802.1p) for optimized network traffic.
- Operates with a wide input voltage range (5V–16V) and low power consumption (1.8W–5W), ensuring energy efficiency.



The SWN-SU Series Unmanaged Ethernet Switches are designed for small to medium-sized networks, including home, school, office, and small surveillance environments. Available in 5, 8, 16, and 24-port configurations with either 100Mbps or Gigabit (1000Mbps) speeds, these switches support plug-and-play operation with full wire-speed forwarding. Each port features auto MDI/MDIX and up to 2KV surge protection, ensuring stable and efficient data transmission without configuration.

Technical Features:

- Auto-negotiation on all ports (10/100 or 10/100/1000 Mbps)
- MDI/MDIX auto crossover support for simplified cabling
- Supports IEEE802.3, 802.3u, 802.3ab standards
- IEEE802.3x full-duplex flow control and backpressure for half-duplex
- Store-and-forward switching architecture
- QoS (IEEE 802.1p) support for traffic prioritization
- Wire-speed forwarding for all packet sizes (64 – 1518 bytes)
- Jumbo frame support up to 9216 bytes (Gigabit models only)
- MAC address table: 4K entries
- Buffer memory: 1Mbit
- Latency: $\leq 20 \mu s$

Hardware Specification:	
LED Indicators	Power Link/Activity Speed (Gigabit models only)
Power & Environmental	Power Supply: External power adapter Input Voltage: AC 100~240V, 50/60Hz Device Voltage: DC 5V~16V Power Consumption: 1.8W ~ 5W
Operating Environment	Operating Temperature: -10°C to 65°C Storage Temperature: -40°C to 70°C Operating Humidity: 5% to 95% RH, non-condensing
Mechanical	Material: Metal Color: Black Installation: Desktop or wall-mount (16/24 port models support rack mount)

Model List & Specifications:						
Model	SWN-SU05M	SWN-SU08M	SWN-SU05G	SWN-SU08G	SWN-SU16G	SWN-SU24G
Ports	5	8	5	8	16	24
Network	10/100 Mbps	10/100 Mbps	100/1000 Mbps	100/1000 Mbps	100/1000 Mbps	100/1000 Mbps
Switching Capacity	1 Gbps	1.6 Gbps	10 Gbps	16 Gbps	32 Gbps	48 Gbps