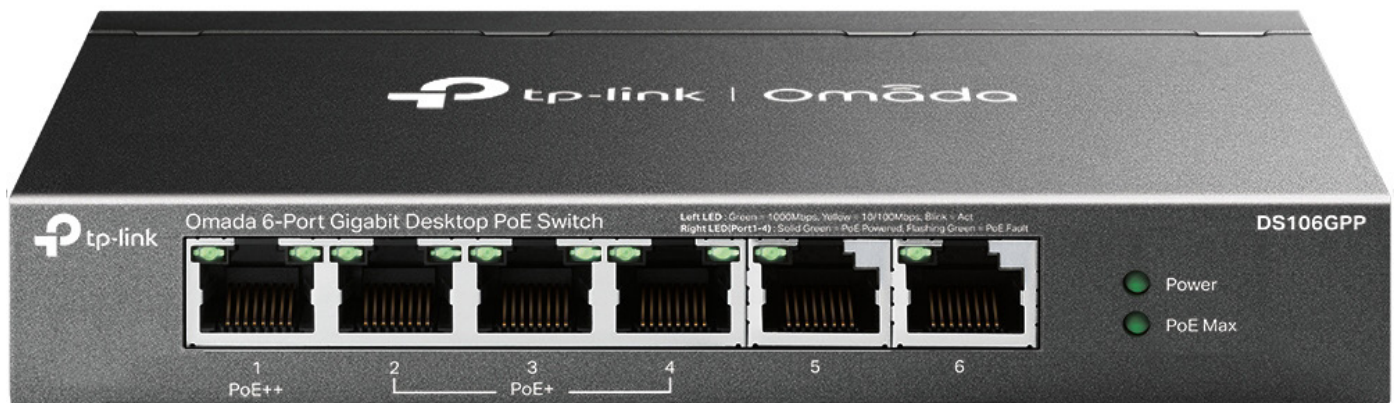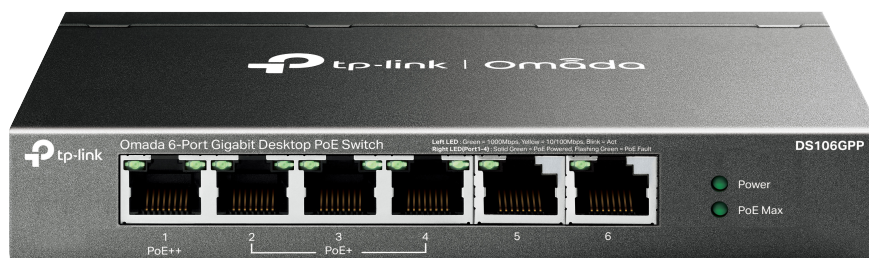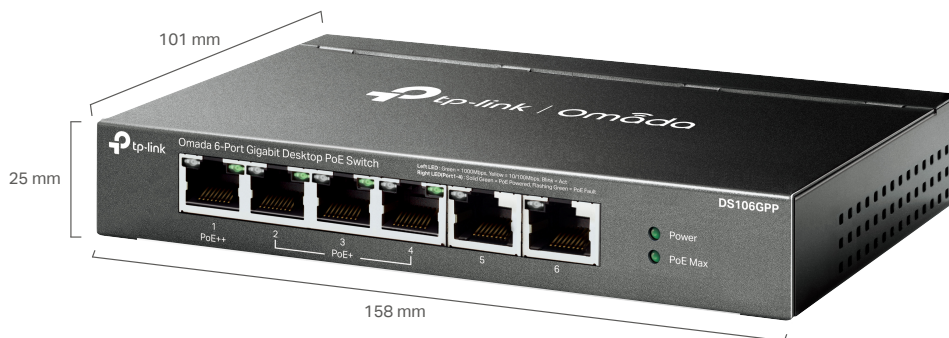# Omada Unmanaged Switch | Datasheet

DS106GPP
Omada 6-Port Gigabit Desktop Switch with 3-Port PoE+ and 1-Port PoE++

Highlights

- 6× 10/100/1000 Mbps RJ45 ports
- With one PoE++ port and three PoE+ ports, transfers data and power on one single cable
- Works with IEEE 802.3af/at/bt compliant PDs
- 802.1p/DSCP QoS enable smooth latency-sensitive traffic
- Supports PoE Power up to 30 W for each PoE+ port and 60W for PoE++ port
- Supports PoE Power up to 64 W for all PoE ports*
- Up to 250m (820ft) data and power transmitting range under Extend Mode**
- PoE Auto Recovery guarantees stable operation of PoE devices by automatically rebooting the dropped or unresponsive PD devices
- Plug and Play. No configuration or central management required.

Product Pictures

1 × Gigabit RJ45 port with PoE++   3 × Gigabit RJ45 ports with PoE+   2 × Gigabit RJ45 ports

Specifications

Model	DS106GPP
Standards	IEEE 802.3i, IEEE 802.3u, IEEE 802.3x, IEEE 802.3af, IEEE 802.3at, IEEE 802.3bt
Network Ports	6 10/100/1000 Mbps RJ45 Ports
Network Media (Cable)	10Base-T: UTP category 3, 4, 5 cable (maximum 100 m) EIA/TIA-568 100 Ω STP (maximum 100 m) 100Base-TX: UTP category 5, 5e cable (maximum 100 m) EIA/TIA-568 100 Ω STP (maximum 100 m) 1000BASE-T: UTP category 5, 5e, 6 or above cable (maximum 100 m) EIA/TIA-568 100Ω STP (maximum 100 m)
PoE	PoE Standard: IEEE 802.3af/at/bt for port 1, IEEE 802.3af/at for port 2-4 PoE Port 1: up to 60 W PoE Port 2–4: up to 30 W per port PoE Power Budget: 64 W
Auto-Negotiation	YES
Auto MDI/MDIX	YES
PoE Power on RJ45	Port 1: Power+: pin 3 & pin 6 Power -: pin 1 & pin 2 Power+: pin 4 & pin 5 Power -: pin 7 & pin 8 Port 2-4: Power+: pin 3 & pin 6 Power -: pin 1 & pin 2
Max Power Consumption	4.75 W (220 V/50 Hz no PD connected) 71.46 W (220 V/50 Hz with 64 W* PD connected)
Max Heat Dissipation	16.20 BTU/h (220 V/50 Hz no PD connected) 243.68 BTU/h (220 V/50 Hz with 64 W* PD connected)
Forwarding Mode	Store and Forward
Switch Capacity	12 Gbps
MAC Address Table	4K, Auto-learning, Auto-aging

Extend Mode	YES (for Ports 1–2)
PoE Auto Recovery	YES (for Ports 1-4)
Flow Conrol	YES
Fanless	YES
LED	Power, Link/Act, PoE Status, PoE MAX
Dimensions	6.2x4.0x1.0 in (158x101x25 mm)
Certification	CE, FCC
Environment	Operating Temperature: 0°C to 40°C (32°F to 104°F) Storage Temperature: -40°C to 70°C (-40°F to 158°F) Operating Humidity: 10% to 90% RH, non-condensing Storage Humidity: 5% to 90% RH, non-condensing