

## Unmanaged Switch

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### Datasheet

#### DS106P

6-Port 10/100Mbps Unmanaged Desktop Switch with 4-Port PoE+



## Highlights

- 6× 10/100 Mbps RJ45 ports
- 4× PoE+ ports transfer data and power on individual cables
- Works with IEEE 802.3af/at compliant PDs
- Supports PoE Power up to 30 W for each PoE port
- Supports PoE Power up to 67 W for all PoE ports
- Up to 250m (820ft) data and power transmitting range under Extend Mode
- Priority Mode ensures high priority of ports 1–2 to guarantee the quality of sensitive application
- 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



## Specifications

### Features & Performance

Model		DS106P
Hardware Features	Standards and Protocols	IEEE 802.3i, IEEE 802.3u, IEEE 802.3x, IEEE 802.3af, IEEE802.3at
	Interface	<ul style="list-style-type: none"> <li>• 6× 10/100 Mbps RJ45 Ports (ports 1–4 support 802.3af/at PoE+)</li> <li>• AUTO Negotiation</li> <li>• AUTO MDI/MDIX</li> </ul>
	Network Media	<ul style="list-style-type: none"> <li>• 10BASE-T: UTP category 3, 4, 5 cable (maximum 100m)</li> <li>• EIA/TIA-568 100Ω STP (maximum 100m)</li> <li>• 100BASE-TX: UTP category 5, 5e cable (maximum 100m)</li> <li>• EIA/TIA-568 100Ω STP (maximum 100m)</li> </ul>
	Fan Quantity	Fanless
	Physical Security Lock	Yes
	Power Supply	External Power Adapter (Output: 53.5 V DC / 1.31 A)
	Dimensions ( W x D x H )	6.2 x 4.0 x 1.0 in (158 x 101 x 25 mm)
	Max. Power Consumption	<ul style="list-style-type: none"> <li>• 2.52 W (220 V/50 Hz, no PD connected)</li> <li>• 75.4 W (220 V/50 Hz, with 67 W PD connected)</li> </ul>
	Max Heat Dissipation	<ul style="list-style-type: none"> <li>• 8.59 BTU/h (no PD connected)</li> <li>• 257.11 BTU/h (with 67 W PD connected)</li> </ul>
	PoE Ports (RJ45)	<ul style="list-style-type: none"> <li>• Standard: 802.3 af/at compliant</li> <li>• PoE Ports: Ports 1–4</li> <li>• Power Supply: 67 W</li> </ul>
Performance	Switching Capacity	1.2 Gbps
	Packet Forwarding Rate	0.8928 Mpps
	MAC Address Table	2K
	Jumbo Frame	2 KB

Software Features	Advanced Features	<ul style="list-style-type: none"> <li>• Compatible With IEEE 802.3af/at Compliant PDs</li> <li>• Extend Mode: Ports 1–4</li> <li>• Priority Mode: Ports 1–2</li> <li>• PoE Auto Recovery: Ports 1-4</li> <li>• Mac Address Auto-Learning and Auto-Aging</li> <li>• IEEE802.3x Flow Control For Full-Duplex Mode and Backpressure for Half-Duplex Mode</li> </ul>
	Transmission Method	Store and Forward
Others	Certification	CE, FCC, RoHS
	Package Content	<ul style="list-style-type: none"> <li>• DS106P</li> <li>• Power Adapter</li> <li>• Installation Guide</li> </ul>
Physical & 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

PoE budget calculations are based on laboratory testing. Actual PoE power budget is not guaranteed and will vary as a result of client limitations and environmental factors.

The speed of the ports in extend mode will downgrade to 10 Mbps. The actual transmission distance may vary due to power consumption of PoE-powered devices or the cable quality and type.

Numbers after different modes represent the effective ports for that mode.

Omada Unmanaged Switches do not support Omada SDN central management.

Some models featured in this guide may be unavailable in your country or region. Visit the Omada by TP-Link website for local sales information: <https://www.omadanetworks.com>. Specifications are subject to change without notice.

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