



Omada Industrial Easy Managed Switch

Datasheet

IES206G

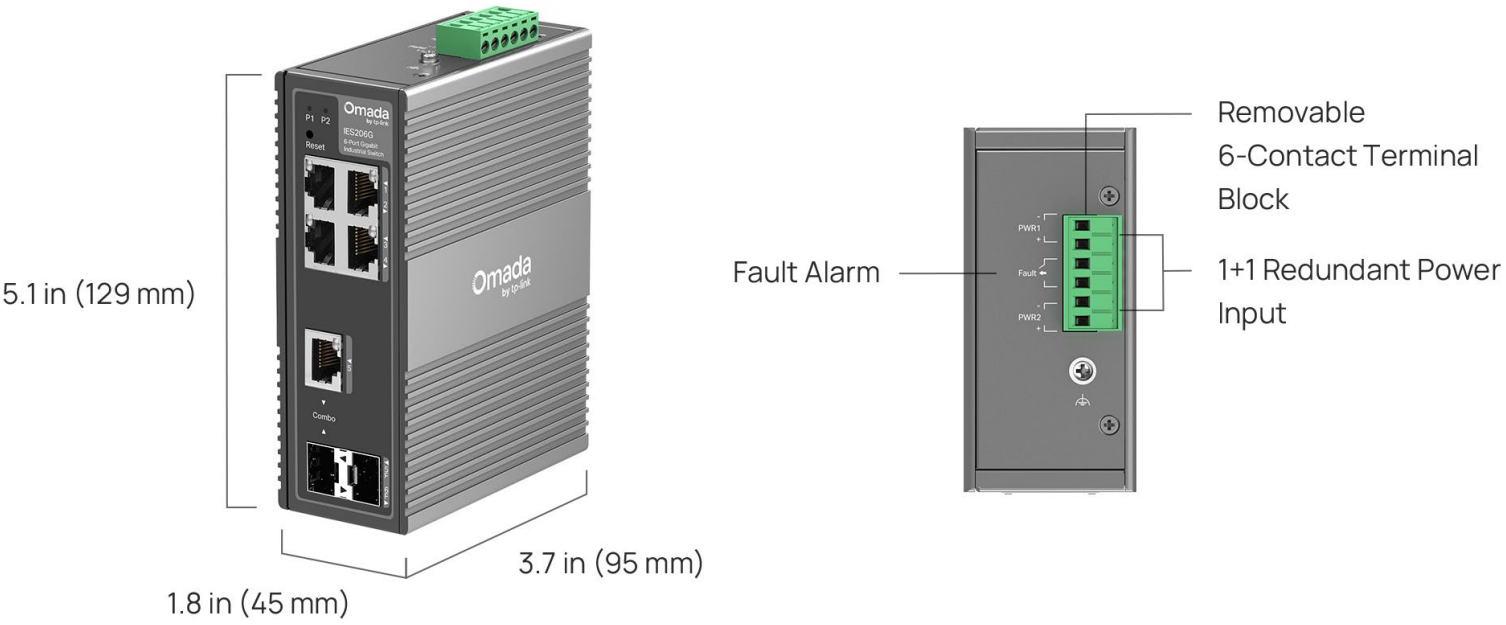
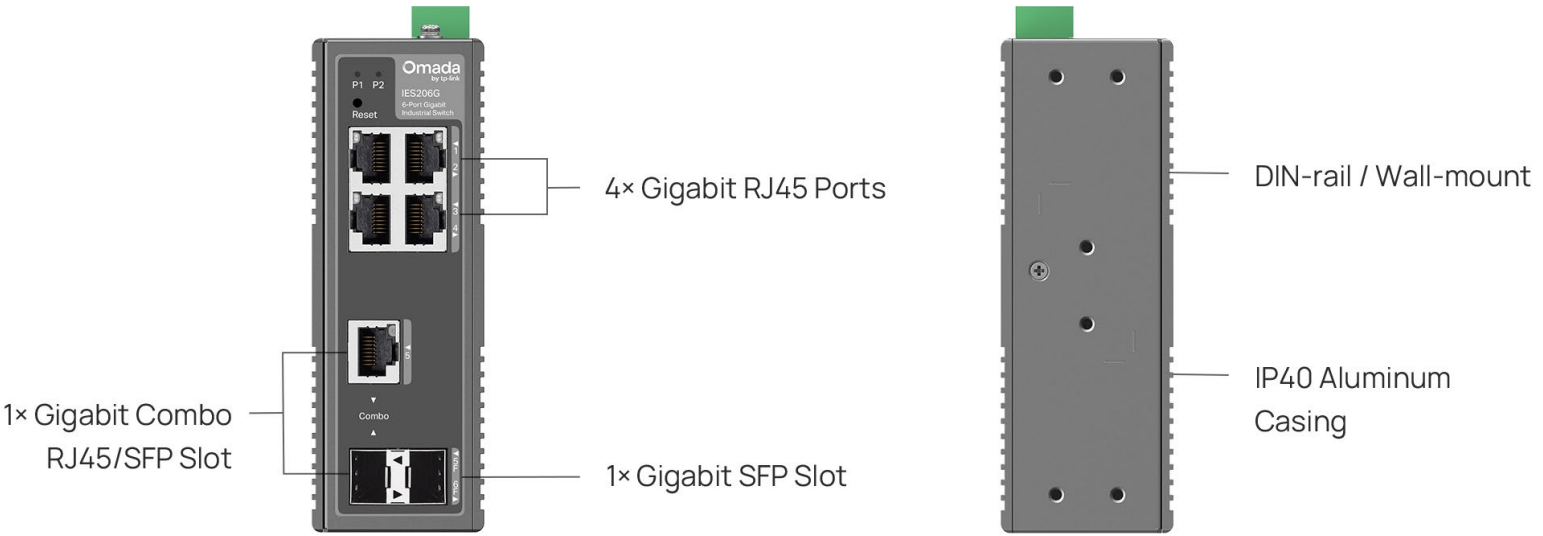
Omada 6-Port Gigabit Industrial Easy Managed Switch



Highlights

- 6× Gigabit Ports (4× RJ45, 1× Combo RJ45/SFP, 1×SFP)
- Professional Industrial-Grade Design: -40~75°C Operating Temperature, 6kV Lighting Protection, and 1+1 Redundant Power Input
- Abundant Features: VLAN, QoS, and STP/RSTP
- Centralized Cloud Management via the Web or Omada App[†]
- Durable IP40 Aluminum Casing and DIN-rail / Wall-mount Design

Product Pictures



Specifications

Hardware Features & Performance		
Model		IES206G
General	Interface	4× 10/100/1000 Mbps RJ45 Ports 1× Gigabit Combo RJ45/SFP Slot 1× Gigabit SFP Slot
	Flash	64 Mbit
	Port Standard	IEEE 802.3i:10BASE-T Ethernet IEEE 802.3u:100BASE-X Fast Ethernet IEEE 802.3ab:1000BASE-T Gigabit Ethernet IEEE 802.3z: 1000BASE-X Gigabit Ethernet (Optical fiber) IEEE 802.3x: Flow Control IEEE 802.1p: Traffic Class Expediting and Dynamic Multicast Filtering IEEE 802.1q: Virtual Bridged Local Area Networks IEEE 802.1d: Spanning Tree Protocol IEEE 802.1w: Rapid Spaning Tree Protocol IEEE 802.1ab: Station and Media Access Control Connectivity Discovery (LLDP)
Performance	Switching Capacity	12 Gbps
	Packet Forwarding Rate	8.93 Mpps
	MAC Address Table	8K
	Packet Buffer	4 Mbit
	Transmission Method	Store and Forward
	Jumbo Frame	15 KB
Power Supply	Power Input	9.6-60 V Dual Redundant DC Power Input
	Overload Current Protection	Yes
	Overload Voltage Protection	Yes
	Reverse Polarity Protection	Yes
	Standby Power Consumption	1.52 W max @ 12 VDC 1.79 W max @ 24 VDC 2.84 W max @ 48 VDC
	Max Power Consumption	3.62 W max @ 12 VDC 3.57 W max @ 24 VDC 5.09 W max @ 48 VDC
Fault Relay		24 V / 1 A Max. (Normally closed contact)

Hardware Features & Performance

Model		IES206G
Physical & Environment	MTBF	899526h @ 25°C
	Max Heat Dissipation	12.30 BTU/hr max @ 12 VDC 12.14 BTU/hr max @ 24 VDC 17.31 BTU/hr max @ 48 VDC
	Dimensions (W x D x H)	5.1 × 3.7 × 1.8 in (129 × 95 × 45 mm)
	Net Weight	0.54 kg (1.19 lbs)
	Fan Quantity	Fanless
	Installation	DIN-rail mounting / Wall mounting
	IP Rating	IP40
	Operating Temperature	-40 °C to 75 °C (-40 °F to 167 °F)
	Storage Temperature	-40 °C to 85 °C (-40 °F to 185 °F)
	Operation Humidity	5% to 95% RH, non-condensing
	Storage Humidity	5% to 95% RH, non-condensing
	Surge Protection	±6 kV in common mode for Ethernet ports ±4 kV in common mode for DC power input ports
	ESD Protection	Air: ±8 kV, Contact: ±6 kV
	Certification	CE, FCC, RoHS
	EMC	IEC 61000-4-2 ESD: Contact: 6 kV; Air: 8 kV IEC 61000-4-3 RS: 80 MHz to 1 GHz: 20 V/m IEC 61000-4-4 EFT: Power: 2 kV; Signal: 2 kV IEC 61000-4-5 Surge: Power: 4 kV; Signal: 6 kV IEC 61000-4-6 CS: 10 V IEC 61000-4-8 PFMF: 100 A/m EN 55032/35 EN61000-6-2 EN61000-6-4
	Shock	IEC 60068-2-27
	Freefall	IEC 60068-2-32
	Vibration	IEC 60068-2-6

Software Features	
Model	IES206G
SDN Support	• Support Hardware Controller, Software Controller, Cloud-Based Controller • Automatic Device Discovery • Batch Configuration • Batch Firmware Upgrading • Unified Configuration
L2 Features	• Link Aggregation - Static Link Aggregation - Up to 2 aggregation groups and up to 4 ports per group • Loopback Detection • Flow Control - 802.3x Flow Control • Mirroring - Port Mirroring - One-to-One - Many-to-One - Ingress/Egress/Both • Port Statistics - Port Mirror Status - Traffic Statistics • 802.1ab LLDP • Spanning Tree - STP (802.1d) - RSTP (802.1w)
L2 Multicast	• IGMP Snooping - IGMP v1/v2/v3 Snooping - Fast Leave
VLAN	• MTU VLAN • Port-Based VLAN • 802.1Q Tag VLAN - Max 32 VLAN Groups - 4K VID
QoS	• 802.1p DSCP Priority • 8 Priority Queues • Priority Schedule Mode - WRR (Weighted Round Robin) • Queue Weight Config • Bandwidth Control - Port-Based Rate Limit • Storm Control - Multiple Control Modes (kbps/pps) - Broadcast/Multicast/Unknown-Unicast Control
Management	• Web-based GUI • DHCP Client • Cable Diagnostics • Digital Diagnostic Monitoring (DDM)

[†]These functions require the use of the Omada Controller. Zero-Touch Provisioning requires the use of Omada Central (Omada Central Standard or Omada Central Essentials).
Go to the [Omada Central Standard Product List](#) or [Omada Central Essentials Product List](#) to find all the supported models. © 2025 TP-Link