Omada Industrial Easy Managed Switch

Datasheet

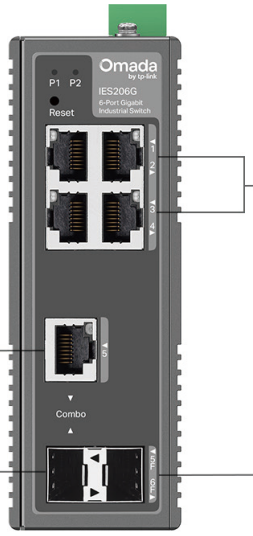
IES206G

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



4× Gigabit RJ45 Ports

1× Gigabit Combo RJ45/SFP Slot

1× Gigabit SFP Slot

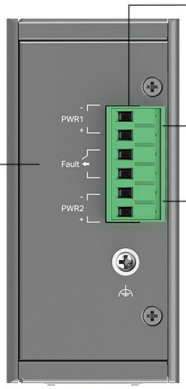
DIN-rail / Wall-mount

IP40 Aluminum Casing

5.1 in (129 mm)

3.7 in (95 mm)

1.8 in (45 mm)



Removable 6-Contact Terminal Block

Fault Alarm

1+1 Redundant Power Input

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)
	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.