



IE-3100-8P2C-E DataSheet

Cisco IE-3100-8P2C-E: 8×PoE+ Gigabit, 2×Combo uplink industrial switch, 240W PoE, rugged, DIN rail, ideal for automation, OT, and smart city edge networks.

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IE-3100-8P2C-E Description

Cisco Catalyst IE-3100-8P2C-E is a robust, compact industrial Ethernet switch with 8 Gigabit PoE/PoE+ downlink ports and 2 combo uplinks (SFP or RJ45). Designed for harsh environments, it supports a 240W PoE power budget, advanced Layer 2 features, and secure automation protocols. Ideal for powering IP cameras, wireless APs, and industrial IoT devices, the IE-3100-8P2C-E enables resilient, scalable, and secure industrial networks across manufacturing, energy, transportation, and smart city applications.

Product Highlights

Ethernet Ports

Combo Ports

Forwarding Rate

Quick Specs

Key Parameter	Value
Total Ports	10
Downlink Ports	8 × 1G RJ45 (PoE/PoE+)

Uplink Ports	2 × 1G Combo (SFP or RJ45)
Max. PoE Power Budget	240W (up to 30W per port, all ports)
Power Input	Dual DC (12V–54V nominal, 9.6–60V abs)
Forwarding Rate	Line rate for all ports
MAC Address Table	8,000 entries
VLANs Supported	256
Software License	Network Essentials

Key Features

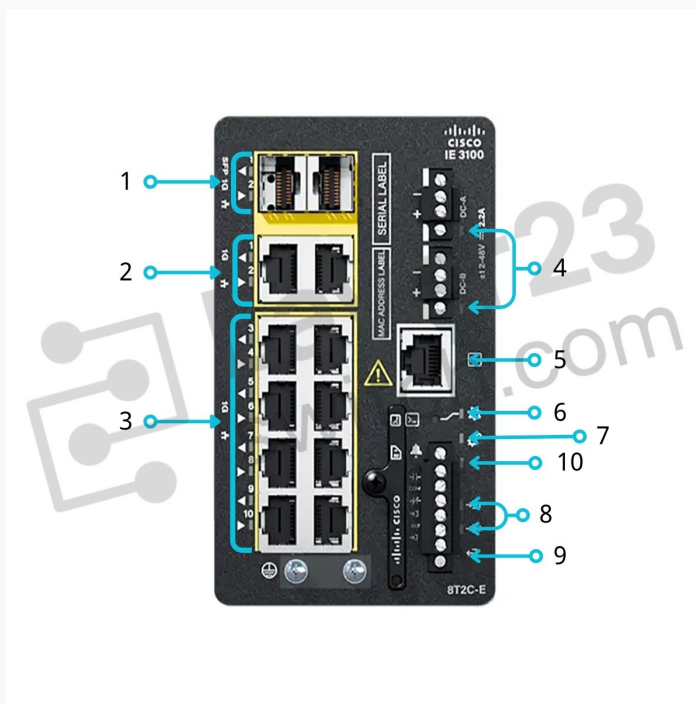
Rugged Industrial Ethernet Switch Product Comparison

Model	IE-3100-8P2C-E	IE-3200-8P2S-E	IE-3300-8P2S-E
Downlink Ports	8×1G PoE/PoE+ RJ45	8×1G PoE/PoE+ RJ45	8×1G PoE/PoE+ RJ45
Uplink Ports	2×Combo (SFP/RJ45)	2×1G SFP	2×1G SFP
Max. Total Ports	10	10	10 (expandable to 26)
Max PoE Power Budget	240W	240W	240W (base), 360W (exp.)
MAC Address Table	8,000	16,000	16,000
VLANs	256	256	256
Forwarding Rate	Line rate	Line rate	Line rate
Software License	Network Essentials	Network Essentials	Network Essentials

IE-3100-8P2C-E Front Panel Overview

The illustrations in this section provide an overview of the variety of components available on the various switch models in this product family. Not all models are illustrated.

Number	Feature	Number	Feature
1	Dual-media SFP port LEDs	6	Express Setup LED
2	Dual-media copper port LEDs	7	System LED
3	1000BASE-T port LEDs	8	Alarm input LEDs
4	Power connector LED	9	Alarm output LED
5	Management console LED	10	PoE Status LED Note This LED is present in PoE models only.



Specification

Parameter	Value	Parameter	Value
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Parameter	Value	Parameter	Value
Model	IE-3100-8P2C-E	Ports	8×1G PoE/PoE+ RJ45, 2×Combo uplink
PoE Power Budget	240W (30W per port max)	Mounting	DIN rail
Dimensions	5.00×3.00×5.08 in (12.70×7.62×12.90 cm)	Weight	2.3 lb (1.04 kg)
Power Input	Dual DC 12–54V nominal (9.6–60V abs)	Power Consumption	20W (without PoE)
MAC Address Table	8,000	VLANs	256
Forwarding Rate	Line rate, all packet sizes	Queues	8 egress
Alarm I/O	2 dry-contact alarm inputs	Console Ports	1×RS-232 (RJ-45), 1×Micro USB
Operating Temp.	–40°C to +75°C	Storage Temp.	–40°C to +85°C
Software License	Network Essentials	DRAM	4 GB
SD Card	1/4/16 GB (optional)	Management	WebUI, CLI, SNMP, Cisco Catalyst Center
Protocols	EtherNet/IP, PROFINET, Modbus	Certifications	IEC 62443-4-1/4-2, EN 55032A, EN 61000-6-2

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