

TECHNICAL DATASHEET

CISCO • NETWORKING

Cisco Catalyst IE3100 rugged 8-port Gigabit PoE+ industrial switch, 2x 1G combo uplinks

Catalyst IE3100 Rugged rugged industrial Ethernet switch - 8x 10/100/1000 PoE/PoE+ ports (up to 30W each), 2x 1G combo uplinks, 240W PoE budget

SKU IE-3100-8P2C-E

DIN rail

Cisco



DOWNLINK PORTS

8x 10/100/1000 PoE/
PoE+ ports (up to 3...

SWITCHING CAPACITY

10 Gbps

DIMENSIONS

12.70 x 7.62 x 11.00 cm
(5.00 x 3.00 x...

PRICE

On request



REQUEST A QUOTATION ONLINE

serverinvest.com/product/cisco-
ie-3100-8p2c-e



01 Product overview

The Cisco IE-3100-8P2C-E is a Catalyst IE3100 Rugged rugged industrial Ethernet switch that provides 8x 10/100/1000 PoE/PoE+ ports (up to 30W each) and 2x 1G combo (RJ-45/SFP) uplinks, with a 240 W PoE/PoE+ (802.3af/at) power budget for phones, wireless access points and cameras. It delivers 10 Gbps of switching capacity and a forwarding rate of 14.88 Mpps, ensuring wire-speed performance for everyday business traffic. Its fanless design keeps operation completely silent, so it can be installed close to users.

The Catalyst IE3100 Rugged series brings Cisco IOS XE to compact DIN-rail switches for factories, utilities, transportation and outdoor cabinets. It supports industrial ring redundancy protocols such as REP, MRP, Fast MRP and G.8032 ERPS, operates from -40°C to +75°C and is managed with the same tools as the enterprise network, including Cisco Catalyst Center and WebUI.

This part number includes the Network Essentials license. It is designed for factory floors, utility substations, transportation and outdoor cabinets where powered endpoints such as IP phones, Wi-Fi access points and security cameras need to be supported. ServerInvest supplies Cisco switching across Europe - contact us for pricing, availability and project quotes.

KEY SPECIFICATIONS

Manufacturer part number	IE-3100-8P2C-E
Series	Catalyst IE3100 Rugged
Switch type	Layer 2 (Network Essentials)
License tier	Network Essentials
Downlink ports	8x 10/100/1000 PoE/PoE+ ports (up to 30W each)
Uplinks	2x 1G combo (RJ-45/SFP) uplinks
PoE standard	PoE/PoE+ (802.3af/at)
PoE budget	240 W
Switching capacity	10 Gbps
Forwarding rate	14.88 Mpps
MAC address table	8,000
VLANs	256

HIGHLIGHTS

- 8x 10/100/1000 PoE/PoE+ ports (up to 30W each) with 240 W PoE/PoE+ (802.3af/at) budget
- 2x 1G combo (RJ-45/SFP) uplinks
- 10 Gbps switching capacity, 14.88 Mpps forwarding rate
- Cisco IOS XE with REP, MRP and G.8032 ring redundancy
- Extended -40°C to +75°C operating range, DIN-rail mount
- Five-year limited hardware warranty

02 Full specifications

GENERAL

Manufacturer part number	IE-3100-8P2C-E
Series	Catalyst IE3100 Rugged
Switch type	Layer 2 (Network Essentials)
License tier	Network Essentials

PORTS

Downlink ports	8x 10/100/1000 PoE/PoE+ ports (up to 30W each)
Uplinks	2x 1G combo (RJ-45/SFP) uplinks

POWER OVER ETHERNET

PoE standard	PoE/PoE+ (802.3af/at)
PoE budget	240 W

PERFORMANCE

Switching capacity	10 Gbps
Forwarding rate	14.88 Mpps
MAC address table	8,000
VLANs	256

HARDWARE

DRAM	4 GB
Flash	1.5 GB (accessible)

POWER

Power supply	12-48V DC nominal (9.6-60V DC) input
Power consumption (typical/system)	26 W

PHYSICAL

Form factor	DIN-rail mount
Dimensions	12.70 x 7.62 x 11.00 cm (5.00 x 3.00 x 4.33 in)
Weight	1.04 kg (2.3 lb)
Cooling	Fanless

ENVIRONMENTAL

Operating temperature	-40°C to +75°C
MTBF	682,250 hours

WARRANTY

Warranty	Five-year limited hardware warranty
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03 Engineered, delivered & supported by ServerInvest

Engineering & sizing

Selected and sized against your real IT load, room and redundancy targets.

Installation

Delivery, installation and commissioning by our engineers across Europe.

Certified processes

ISO 9001, ISO 14001 and ISO 27001 certified project delivery.

Service & support

Maintenance, spare parts and support from a single partner.



Interested in this solution?

Request a quotation online or talk to a solutions engineer — we reply within one business day.
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