IE-4000-4S8P4G-E
Datasheet

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Overview

IE-4000-4S8P4G-E is an IE4000 series switch providing 4 x SFP 100M with 8 x PoE, 4 x 1G Combo, and LAN Base. The IE 4000 Series is ideal for industrial Ethernet applications where hardened products are required, including manufacturing, energy, transportation, smart cities. The IE4000 has built-in SW image verification to ensure authenticity of the Cisco Software. With improved overall performance, greater bandwidth, advanced security features, and enhanced hardware, the Cisco IE 4000 Series complements the current industrial Ethernet portfolio of related Cisco industrial switches, such as the Cisco IE 2000 and IE 3000.
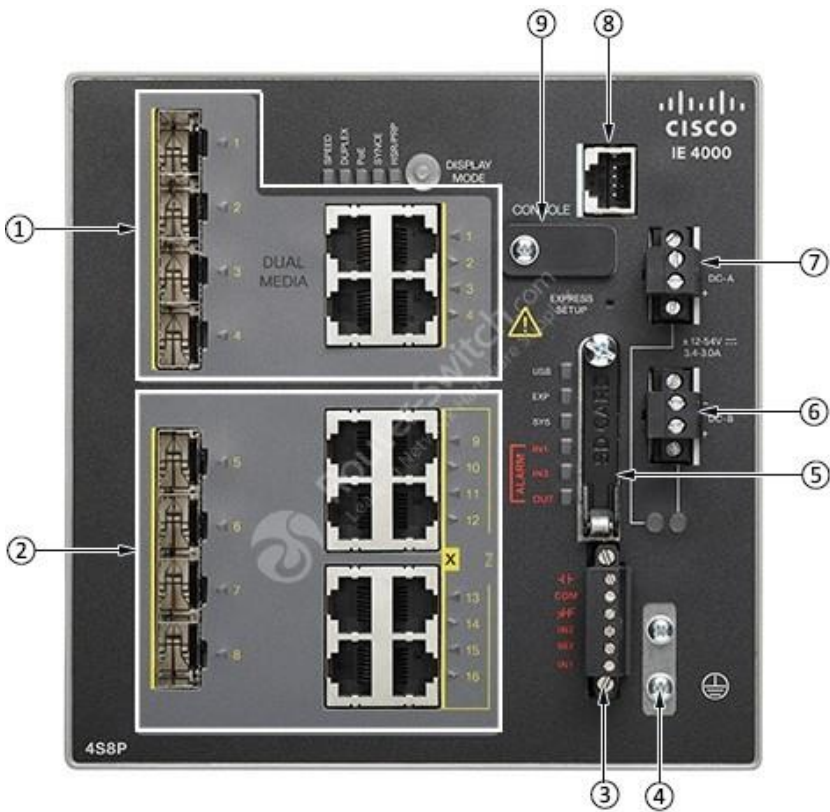
Quick Spec

Table 1 shows the quick spec.

Model	IE-4000-4S8P4G-E
Total Ports	16
GE combo uplinks (4G)	4 GE combo uplink ports
SFP fiber ports (S)	4 FE
PoE/PoE+ ports (P, GP), Maximum PoE power budget	8 (FE), 125W
Default software	LAN Base feature set
Dimensions (H x W x D)	6.12 x 6.12 x 5.09 in. (155.4 x 155.4 x 129.2 mm)
Weight	6.35 pounds (2.88 kg)

Product Details

Figure 1 shows the front view of IE4000 4S8P switches.

Note:

(1)	4 GE combo uplink ports
(2)	4 FE SFP fiber ports (S) + 8 FE PoE ports
(3)	Alarm connector
(4)	Protective ground connection
(5)	Flash memory card slot
(6)	Power connector DC-B
(7)	Power connector DC-A
(8)	RJ-45 console port
(9)	USB mini-Type B (console) port (Use a screwdriver to remove the port cover and access the port.)

Figure 2 shows the back view of IE4000 switches.

Supported Products

Table 2 shows the supported modules, cards, licenses and accessories.

Model	Description
L-IE4000-RTU=	Electronic IP SERVICES License for IE4000 Switches
C1F1PIE4K5K1K9	Cisco ONE Foundation Perpetual - IE 4000/5000
C1A1PIE40001K9	Cisco ONE Advanced Perpetual - IE 4000
GLC-SX-MM-RGD	Cisco GLC-SX-MM-RGD 1000Mbps Multi-Mode Rugged SFP
GLC-BX40-U-I	1000BASE-BX10 SFP module for single-strand SMF, 1310-nm TX/1550-nm RX wavelength, single LC/PC connector
GLC-TE	1000BASE-T SFP transceiver module for Category 5 copper wire

GLC-ZX-SM	1000BASE-ZX SFP
GLC-BX-U	1000BASE-BX SFP, 1310NM
SFP-GE-L	1000BASE-LX/LH SFP (DOM)
GLC-ZX-SMD	Cisco GLC-ZX-SMD 1000BASE-ZX SFP transceiver module, SMF, 1550nm, DOM
GLC-SX-MMD	Cisco GLC-SX-MMD 1000BASE-SX SFP transceiver module, MMF, 850nm, DOM
GLC-FE-100EX	100BASE-EX SFP (40km)
GLC-FE-100BX-U	100BASE-BX10-U SFP

Compare to Similar Items

Table 3 shows the comparison.

Model	IE-4000-4T4P4G-E	IE-4000-4S8P4G-E
Total Ports	12	16
GE combo uplinks (4G)	4 GE	4 GE
RJ-45 copper ports (T)	4 FE	N/A
SFP fiber ports (S)	N/A	4 FE
PoE/PoE+ ports (P, GP), Maximum PoE power budget	4 FE, 125W	8 (FE), 125W
Default software	LAN Base	LAN Base

Ordering Guide

[PDF] Cisco Industrial Ethernet Switches Ordering Guide

[PDF] Simple Cisco Industrial Ethernet Switches (IE 4000, IE 2000 included) Selection Guides

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Specification

IE-4000-4S8P4G-E Specification	
Physical Specification	
Total Ports	16
GE combo uplinks (4G)	4 GE combo uplink ports (Combo ports provide one copper and one fiber physical port and only one can be activated at a time.)
SFP fiber ports (S)	4 FE
PoE/PoE+ ports (P, GP), Maximum PoE power budget	8 (FE), 125W
Default software	LAN Base feature set (Can be upgraded to IP Services at a fee.)

Hardware	1GB DRAM 128-MB onboard flash memory 1-GB removable SD flash memory card - Mini-USB connector - RJ-45 connector
Alarm	Alarm I/O: two alarm inputs to detect dry contact open or closed, one alarm output relay
Power Input	- Redundant DC input voltage with operating range: nominal 9.6 to 60VDC - Maximum DC input current: 4.3A
Power consumption	40W
Dimensions (H x W x D)	6.12 x 6.12 x 5.09 in. (155.4 x 155.4 x 129.2 mm)
Weight	6.35 pounds (2.88 kg)
Switch performance and scalability	
Forwarding rate	Line rate for all ports and all packet sizes
Number of queues	4 egress
Unicast MAC addresses	16,000
IGMP multicast groups	1,000
Number of VLANs	1,000
IPv4 MAC security ACEs	1,000 with default TCAM Template
NAT translation	Bidirectional, 128 unique subnet NAT translation entries, which can expand to tens of thousands of translated entries if designed properly

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