



IE-2000-16PTC-G-E DataSheet

IE-2000-16PTC-G-E: 16 FE (4 PoE/PoE+) ports, 2 GE SFP uplinks, DIN rail, dual DC, enhanced LAN Base. Rugged, secure switch for industrial automation.

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IE-2000-16PTC-G-E Description

IE-2000-16PTC-G-E is a Cisco Industrial Ethernet 2000 Series switch featuring 16 Fast Ethernet copper ports (4 PoE/PoE+ ports) and 2 Gigabit SFP/RJ45 combo uplinks. This compact, rugged switch is purpose-built for harsh industrial environments and automation networks, offering high port density, gigabit uplink flexibility, and reliable PoE power delivery. With enhanced LAN Base software, advanced security, VLAN segmentation, and support for industrial protocols, IE-2000-16PTC-G-E is ideal for powering and connecting IP cameras, sensors, and wireless APs in manufacturing, utilities, and transportation applications.

Product Highlights

- Copper Ports
- Combo Uplink Ports(SFP/RJ45)
- PoE ports

Quick Specs

Key Parameter	Value
Copper Ports	16 x FE (4 PoE/PoE+ port)

Combo Uplink Ports	2 x GE SFP/RJ45
PoE Support	Yes
SFP Support	Yes
VLANs Supported	1005
Mounting	DIN rail
Power Input	Dual DC
Temp. Range	-40°C to 75°C
Software	LAN Base Enhanced

Key Features

Rugged Industrial Ethernet Switch Product Comparison

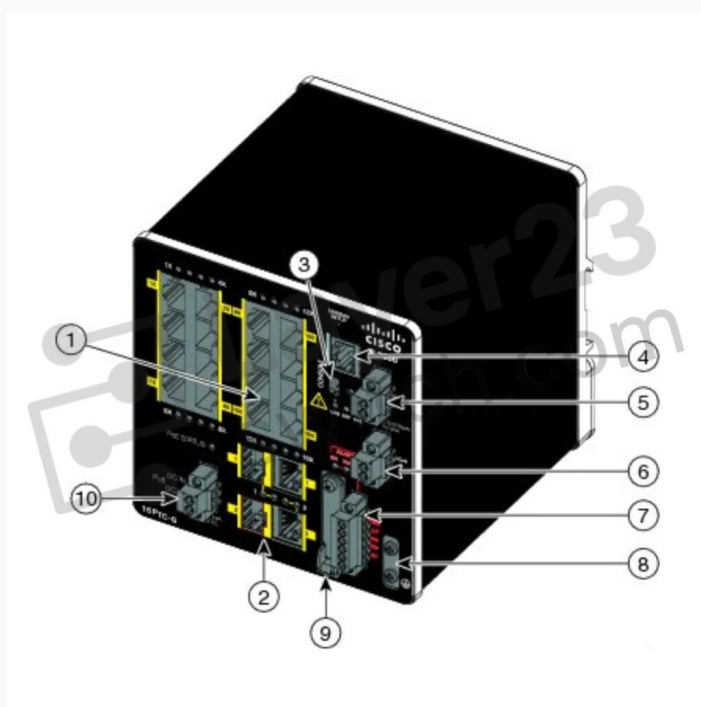
Feature	IE-2000-16PTC-G-E	IE-2000-16TC-G-E	IE-2000-8TC-G-E
Total Ports	18	20	10
Copper FE Ports	16 x FE (4 PoE/PoE+ port)	16	8
Combo Uplink Ports	2 x GE SFP/RJ45	2 x GE SFP/RJ45	2 x GE SFP/RJ45
Extra FE Uplinks	-	2 x FE	-
PoE Support	Yes	No	No
VLANs Supported	1005	1005	1005
Power Input	Dual DC	Dual DC	Dual DC
Operating Temp	-40°C to 75°C	-40°C to 75°C	-40°C to 75°C
Mounting	DIN Rail	DIN Rail	DIN Rail
Software License	LAN Base Enhanced	LAN Base Enhanced	LAN Base Enhanced

Front Panel View

1	10/100 Ethernet ports (downlink ports)	6	Power connector DC-B ²
2	Dual-purpose ports (uplink ports)	7	Alarm connector
3	USB mini-Type B (console) port ¹	8	Protective ground connection
4	RJ-45 console port	9	Flash memory card slot ¹
5	Power connector DC-A ²	10	PoE power connector

¹ Use a screwdriver to remove the port cover and access the port.

² Remove the plastic cover to access the power connector.



Specification

Parameter	Value	Parameter	Value
Model	IE-2000-16PTC-G-E	Series	Industrial Ethernet 2000
Total Ports	18	Copper Ports	16 x FE (4 PoE/PoE+ port)
Combo Uplinks	2 x GE SFP/RJ45	SFP Support	Yes (GE)
PoE Power Budget	Depends on PSU	PoE Standard	IEEE 802.3af/at
Mounting	DIN Rail	Dimensions	130x127x134 mm
Weight	4.35 lbs (1.97 kg)	Power Input	Dual DC
Input Voltage	24-48 VDC	Power Consumption	21-30W (excl. PoE)
Operating Temp	-40°C to 75°C	Storage Temp	-40°C to 85°C
Humidity	5% to 95% (non-cond)	Certifications	UL508, IEC 61850-3, etc.
Shock	30G (IEC 60068-2-27)	Vibration	IEC 60068-2-6
MAC Address Table	8,000	VLANs Supported	1005
IGMP Groups	255	IPv4 Routing	Static Routing
Software	LAN Base Enhanced	Security	802.1X, ACLs, SSH
Protocols	EtherNet/IP, PROFINET	REP/MRP Support	Yes
Alarm I/O	2 Inputs, 1 Output	SD Card Slot	Optional
Fanless	Yes	MTBF	374,052 hrs
Management	Web, SNMP, CLI	Redundancy	Dual DC
Compliances	CE, FCC, EN50121-4	Warranty	5 years

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