zenitel

DATASHEET



2220012234

Cisco IE-2000-8TC-G-E

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Description

The Cisco® Industrial Ethernet 2000 (IE 2000) Series is a range of compact, ruggedized access switches that handle security, voice, and video traffic across industrial networks. They provide customers in industries such as automotive, oil and gas, mining, transportation, and energy with highly secure access and industry-leading convergence using Cisco Resilient Ethernet Protocol (REP).

Product details

The Cisco IE 2000 Series are designed for low cost, low ports, and small sizes. They offer:

- Four, eight, or 16 10/100Base-T Ethernet ports (Small Form-Factor Pluggable [SFP] downlinks on selected models); fixed configurations with a compact form factor
- Two gigabit combo ports: SFP (100 Mbps and 1 Gbps) or RJ45 uplink
- Dual-input DC power supply, alarm relays, DIN rail mount
- Industrial Power over Ethernet (PoE) solution
- Conformal coating SKUs available (IE-2000-16TC-G-X and IE-2000-16PTC-G- NX)
- Swappable SD flash card and mini-USB connector
- Industrial environmental compliance and certifications
- Industrial partner applications: Ethernet/IP and PROFINET

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Primary benefits and features:

- Easy deployment: Zero-touch discovery using Dynamic Host Control Protocol (DHCP), auto sync to SD card, express setup, and fast boot-up time (60 seconds) to help in migrating to an Ethernet environment without resistance.
- Security: 802.1x, port security, and DHCP allow dynamic port-based authentication; Secure Shell (SSHv2); SNMPv3 provides encrypted administrator traffic during Telnet and SNMP sessions; TACACS+ and RADIUS authentication facilitate centralized control and restrict unauthorized users.
- Resiliency: Cisco REP ring protocol and PROFINET– Media Redundancy Protocol (MRP)
- Manageability: Cisco DNA Center software, Auto SmartPort, Web Device Manager, Telnet, HTTPS access, SNMP, CNA, and Cisco Prime Infrastructure.
- Network Address Translation (NAT): Line-rate, hardware-enabled 1:1 static address translation designed to enable duplicate IP address usage in the Layer 2 machine node networks.
- Layer 3 routing: IPv4 and IPv6.
- Industrial PoE: PoE (IEEE 802.af) and PoE+ (802.3at) supported on selected models.
- Industrial automation protocols: EtherNet/IP (CIP) and PROFINET MRP (IEC 62439-2) allow integration with existing management platforms from Rockwell, Siemens, and others.

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Specifications

SPECIFICATION
● 8x Ethernet 10/100 ports
● 2x 1GE combo ports (RJ-45 or SFP)
● Layer 2 LAN Base image installed
● Alarm I/O: Two alarm inputs to detect dry contact open or close; one alarm output relay
● Marine Type Approval (DNV-GL)

ENVIRONMENT	
Operating temperature	-40ºC to +70ºC (vented enclosure - 40 LFM Air Flow)
	-40ºC to +60ºC (sealed enclosure – 0 LFM Air Flow)
	-34ºC to +75ºC(fan or blower-equipped enclosure – 200 LFM Air Flow)
	-40CºC to +85ºC (IEC 60068-2-2 Environmental Type Testing – 16 hours)
Storage temperature	-40ºC to +85ºC (storage temperature)
Operating relative humidity	5 to 95% (non-condensing)

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ELECTRICAL CHARACTERISTICS

Input voltage	12-48 VDC
Maximum power consumption	20W

DIMENSIONS & WEIGHT

Dimensions (W x D x H)	91.4mm x 115mm x 130mm
Weight	1.25 kg
Mounting	DIN-rail mounting

Accessories



GLC-SX-MMD

Cisco 1000Base-SX SFP Transceiver Module for MultiMode Fiber - IEC60945 Compliant

Item Number: 2220012150



GLC-LH-SMD

Cisco 1000BASE-LH-SMD SFP for Single-Mode Fiber

Item Number: 2220012152

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