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Refurbished CISCO IE-2000-8TC-G-L Datasheet

CISCO > SWITCHES

Cisco Industrial Ethernet 2000 Series Switches

Industrial Ethernet 2000 Series configurations	
Product number	
Total ports	10
RJ45 Copper ports	8 FE
Combo ports (SFP or RJ45)	2 GE
Software license	LAN Lite
Type of possible upgrade	3

Accessories and license upgrade PIDs	
Product number	
SD-IE-1GB=	1 GB Ruggedized SD memory card (must be ordered, not included by default)
STK-RACK-DINRAIL=	19 in. DIN Rail mount kit
IE-LICENSE-SPARE	Spare license for software upgrade (L2 to L3 features, MRP ring, etc)
L-IE2000-L-B=	IE2000 LAN Lite to LAN Base e-license
L-IE2000-B-E=	IE2000 LAN Base to Enhanced LAN Base e-license
LIC-IE2000-IP-L=	IE2000 LAN Base or Enhanced LAN Base to IPLite e-license
LIC-IE2000-L-IP=	IE2000 LAN Lite to IPLite e-license
LIC-MRP-MANAGER=	MRP Ring Manager license
LIC-MRP-Client=	MRP Ring Client license
Wallmount-IE2k-04=	Wall mount kit accessory for IE2000 4-ports downlink PID
Wallmount-IE2k-08=	Wall mount kit accessory for IE2000 8-ports downlink PID
Wallmount-IE2k-16=	Wall mount kit accessory for IE2000 16-ports downlink PID

Product specifications	
Description	
Description	Specification
Hardware	256 MB DRAM with ECC memory IEEE 1588v2 FPGA 64 MB on-board flash memory 1GB removable SD flash memory card (optional) Mini-USB connector
Alarm	Alarm I/O: Two alarm inputs to detect dry contact open or close; one alarm output relay
Power consumption	4-port downlink models: 9.5-15 W 8-port downlink models: 12.5-20 W 16-port downlink models: 21-30 W 4-port PoE/PoE+ models: 21-30 W (16-port base switch) and 4 PoE/PoE+ power requirement

Dimensions (H x W x D) including DIN rail	
Dimensions (H x W x D) including DIN rail	IE-2000 6 ports (copper downlinks) chassis: 5.1”H x 2.95”W x 4.51”D in (130mm H x 74.9mm W x 115mm D) IE-2000 6 ports (SFP downlinks) chassis: 5.1“H x 3.15”W x 4.51”D in (130mm H x 80mm W x 115mm D) IE-2000 10 ports short chassis: 5.1"H x 3.6"W x 4.51"D (130mm H x 91.4mm W x 115mm D) IE-2000 10 ports long chassis: 5.1"H x 3.6"W x 5.26"D (130mm H x 91.4mm W x 134mm D) IE-2000 18-20 ports chassis: 5.1"H x 5.0"W x 5.26"D (130mm H x 127mm W x 134mm D)
Weight	IE-2000 6 ports chassis: 2.45 lb (1.11 kg) IE-2000 6 ports (SFP): 2.69 lb (1.22 kg) IE-2000 10 ports short chassis: 2.75 lb (1.25 kg) IE-2000 10 ports long chassis: 3.45 lb (1.56 kg) IE-2000 18-20 ports chassis: 4.35 lb (1.97 kg)

Cisco IE 2000 software features

LAN Lite license	
LAN Lite license	Baseline features
Layer 2 switching	IEEE 802.1, 802.3, 802.3at, 802.3af standard (see Table 8), VTPv2, NTP, UDLD, CDP, LLDP, Unicast MAC filter, Resilient Ethernet Protocol (REP), Media Redundancy Protocol (MRP) Ring (IEC 62439-2)
Security	SCP, SSH, SNMPv3, TACACS+, RADIUS Server/Client, MAC Address Notification, BPDU Guard, SPAN session
Multicast	IGMPv1, v2, v3 Snooping, IGMP filtering, IGMP Querier
Management	Fast Boot, Express Setup, Web Device Manager, CNA, Cisco Prime, LMS, MIB, SmartPort, SNMP, syslog
Industrial Ethernet	EtherNet/IP, Profinet v2

Compliance specifications

Description	
Description	Specification
Safety certifications	UL/CSA 60950-1 EN 60950-1 CB to IEC 60950-1 (with country deviations) NOM to NOM-019-SCF1 (through partners and distributors) CE Marking
Hazard location	ANSI/ISA 12.12.01 (Class1, Div2 A-D) EN 60079-0, -15 ATEX Certificate (Class 1, Zone2 A-D) Cabinet enclosure required
EMC emissions and immunity compliance	FCC 47 CFR Part 15 Class A EN 55022A Class A VCCI Class A RoHS compliance AS/NZS CISPR 22 Class A, AS/NZS CISPR 24 CISPR11 Class A, CISPR22 Class A ICES 003 Class A KCC -Korea CE Marking C-Tick (Australia) Russia certification Brazil certification IEC/EN/EN61000-4-2 (Electro Static Discharge), 15kV air/8kV contact IEC/EN 61000-4-3 (Radiated Immunity, 10 and 20 V/m) IEC/EN 61000-4-4 (Fast Transients - 4kV power line, 4kV data line) IEC/EN 61000-4-5 (Surge 2 kV/1 kV) IEC/EN 61000-4-6 (Conducted Immunity, 10 V/emf) IEC/EN 61000-4-8 (Power Frequency Magnetic Field Immunity) IEC/EN 61000-4-9 (Pulse Magnetic Field Immunity) IEC/EN 61000-4-10 (Oscillatory Magnetic Field Immunity) IEC/EN 61000-4-11 (AC power Voltage Immunity) IEC/EN 61000-4-29 (Voltage Dips Immunity) IEC/EN 61000-6-1 (Immunity for Light Industrial Environments) IEC/EN 61000-6-2 (Immunity for Industrial Environments) IEC/EN 61000-6-4 Class A EN 61326

Shock and vibration	IEC 60068-2-27 (Operational Shock: 30G 11ms, half sine) IEC 60068-2-27 (Non-Operational Shock 55-70G, trapezoidal) IEC 60068-2-6, IEC 60068-2-64, EN 61373 (Operational Vibration) IEC 60068-2-6, IEC 60068-2-64, EN 61373 (Non-operational Vibration)
Industry standards	UL508 CSA C22.2 No. 142 EN 61131-2 (EMC/EMI, environmental, mechanical) Protective coating (specific models only) Marine DnV Substation KEMA (IEEE 1613, IEC 61850-3) Railway EN 50155 (EMI/EMC, environmental, mechanical) EN50121-3-2 EN50121-4 NEMA TS-2 (EMC, environmental, mechanical) ABB Industrial IT certification IP30 ODVA Industrial Ethernet/IP support PROFINETv2.3 support
Corrosive testing	ISO-12944-6 IEC-60068-2-60
Humidity	IEC 60068-2-52 (salt fog mist, test Kb) marine environments IEC 60068 -2-3 IEC 60068-2-30 Relative humidity: 5% to 95% non-condensing
Operating temperature	-40C to +70C (vented enclosure - 40 LFM Air Flow) -40C to +60C (sealed enclosure – 0 LFM Air Flow) -34C to +75C (fan or blower-equipped enclosure – 200 LFM Air Flow) -40C to +85C (IEC 60068-2-2 Environmental Type Testing – 16 hours) Operational altitude: Up to 15,000 ft
Storage temperature	-40 C to +85 C (storage temperature) IEC 60068-2-14 Storage altitude: Up to 15,000 ft
Mean Time Between Failures (MTBF)	Mean time between failure: 374,052 hours (42.7 years)
Warranty	Five-year limited warranty on all IE-2000 HW PIDs and all IE Power Supplies defined in table 4 above. See link below for details on warranty

The next steps...

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