

# Thuyết minh thông số kỹ thuật sản phẩm Switch Cisco Catalyst C1000-48FP-4X-L



## C1000-48FP-4X-L Catalyst 1000 48x 10/100/1000 Ethernet PoE+ 740W, 4 x 10G SFP uplinks

Performance & Bandwidth thông số	
Mã part	C1000-48FP-4X-L
Cấu hình	48-port 10/100/1000 Ethernet PoE+
	4 x 10G SFP uplinks
CPU	ARM v7 800 MHz
DRAM	512 MB
Flash memory	256 MB
Forwarding bandwidth	88Gpbs
Switching bandwidth	176 Gbps
Forwarding rate	130.94
MAC addresses	16000
IPv4 unicast direct routes	542
IPv4 unicast indirect routes	256
IPv6 unicast direct routes	414
IPv6 unicast indirect routes	128
IPv4 multicast routes and IGMP groups	1024
IPv6 multicast groups	1024
IPv4/MAC security ACEs	600 (FE: 384)
IPv6 security ACEs	600 (FE: 256)
Maximum active VLANs	256
VLAN IDs available	4094
Maximum STP instances	64
Maximum SPAN sessions	4
MTU-L3 packet	9198 bytes
Jumbo Ethernet frame	10,240 bytes
Dying Gasp	Yes (FE: No)
MTBF in hours (data)	1,452,667
MTBF in hours (PoE)	856,329
MTBF in hours (Full PoE)	856,329
Console ports	
RJ-45 Ethernet	CAB-CONSOLE-RJ45 Console Cable 6 Feet with RJ-45
USB mini-B	CAB-CONSOLE-USB Console Cable 6 Feet with USB Type A and mini-B Connectors
USB-A port for storage and Bluetooth console	1
Environmental	
Operating temperature	
Sea level	-5 to 50 deg C
Up to 5,000ft (1500 m)	-5 to 45 deg C
Upto 10,000 (3000 m)	-5 to 40 deg C

Operating altitude	10,000 ft (3,000m)
Operating relative humidity	5% to 90% at 40 deg C (non-condensing)
Storage temperature	-13 to 158F (-25 to 70C)
Storage altitude	15,000 ft (4500m)
Storage relative humidit	5% to 95% at 65 deg C (non-condensing)
Safety and compliance	
Safety	UL 60950-1 Second Edition, CAN/CSA-C22.2 No. 60950-1 Second Edition, EN 60950-1 Second Edition, IEC 60950-1 Second Edition, AS/NZS 60950-1, IEC 62368-1, UL 62368-1
	GB 4943.1-2011
EMC: Emissions	47CFR Part 15 Class A, AS/NZS CISPR32 Class A, CISPR32 Class A, EN55032 Class A, ICES-003 Class A, VCCI-CISPR32 Class A, EN61000-3-2, EN61000-3-3, KN32 Class A, CNS13438 Class A
EMC: Immunity	EN55024 (including EN 61000-4-5), EN300386, KN35
Environmental	Reduction of Hazardous Substances (RoHS) including Directive 2011/65/EU
Telco	Common Language Equipment Identifier (CLEI) code