

C1-C6840-X-LE-40G Datasheet

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Overview

Cisco ONE Catalyst 6840-X-Chassis and 2x40G Standard Tables

Specification

C1-C6840-X-LE-40G Specification

General	
Device Type	Switch - 40 ports - L3 - managed
Enclosure Type	Desktop, rack-mountable 2U
Subtype	10 Gigabit Ethernet
Ports	40 x 1 Gigabit SFP/ 10 Gigabit SFP+ + 2 x 40 Gigabit QSFP+ (breakout compatible)
Performance	Forwarding performance: up to 180 Mpps Switching capacity (full duplex): up to 240 Gbps IPv4 routing: up to 180 Mpps IPv6 routing: up to 90 Mpps Layer 2 bridging: up to 180 Mpps
Capacity	IPv4 routes: 256000 IPv6 routes: 128000 NetFlow entries: 1500000 IPv4 routes (Multicast): 128000 IPv6 routes (Multicast): 64000 Virtual interfaces (VLANs): 4094 Domains: 16000 ACL entries: 64000 Logical interfaces: 128000
MAC Address Table Size	128K entries
Jumbo Frame Support	9216 bytes
Routing Protocol	IGMPv2, IGMP, PIM-SM, PIM-DM, IGMPv3, GRE, MSDP, MLDv2, MLD, MPLS, PIM-SMv6, PIM-DMv6
Remote Management Protocol	RMON, SMON
Features	NAT support, VLAN support, traffic shaping, DoS attack prevention, IPv6 support, Class-Based Weighted Fair Queuing (CBWFQ), Weighted Random Early Detection (WRED), PIM snooping, Spanning Tree Protocol (STP) support, tunneling, Access Control List (ACL) support, Quality of Service (QoS), Virtual Route Forwarding-Lite (VRF-Lite), reset button, Unicast Reverse Path Forwarding (URPF), IPv4 support, Deficit Weighted Round Robin (DWRR), Shaped Round Robin (SRR), Port Security, Remote Switch Port Analyzer (RSPAN), NetFlow, Management Information Base (MIB), Flexible NetFlow (FNF), Multicast Source Discovery Protocol (MSDP), 802.1x authentication, DiffServ Code Point (DSCP) support, MACsec support, Virtual Private LAN Service (VPLS), Control plane protection (CoPP), Label Distribution Protocol (LDP), Location ID Separation Protocol (LISP), Instant Access (IA), Virtual Switching System (VSS)
Compliant Standards	IEEE 802.1x, IEEE 802.1ae
RAM	4 GB
Expansion / Connectivity	
Interfaces	40 x 10GBase-X SFP+ 2 x 40Gbit WAN QSFP+ (breakout compatible) uplink 1 x management (LAN) RJ-45 1 x serial (console) RJ-45 1 x USB Type A 1 x console (mini-USB) Type B 1 x management SFP
Power	

C1-C6840-X-LE-40G Specification

Power Device	Internal power supply - hot-plug
Installed Qty	0 (installed) / 2 (max)
Power Redundancy	Optional
Power Redundancy Scheme	1+1 (with optional power supply)
Miscellaneous	
Compliant Standards	CISPR 22 Class A, EN55024, EN55022 Class A, EN50082-1, EN 61000-6-1, UL 60950-1 Second Edition, FCC Part 15 A, AS/NZS 3548 Class A, AS/NZS 60950, EN 60950-1 Second Edition, IEC 60950-1 Second Edition, GR-1089-CORE, CAN/CSA C22.2 No. 60950, VCCI Class A, ETS 300 386, ETSI 300 019
Software / System Requirements	
Software Included	Cisco IOS Advanced Enterprise Services, Cisco IOS IP Services
OS Required	Cisco IOS 15.2(2)SY
Dimensions & Weight	
Width	17.4 in
Depth	21.5 in
Height	3.5 in
Weight	37.04 lbs
Manufacturer Warranty	
Service & Support	Limited warranty - advance parts replacement - 1 year - response time: 10 days
Environmental Parameters	
Min Operating Temperature	32 °F
Max Operating Temperature	104 °F
Humidity Range Operating	5 - 90% (non-condensing)
Min Storage Temperature	-4 °F
Max Storage Temperature	149 °F
Humidity Range Storage	5 - 90% (non-condensing)

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