

Refurbished CISCO 7600-ES20-10G3CXL Datasheet

CISCO > ROUTERS

Cisco 7600 Series Routers

Features and Benefits of Cisco 7600 RSP 720

Features	Benefits
Integrated 720-Gbps switch fabric	Offers Layer 2 forwarding rates of up to 30 million packets per second (Mpps) Provides bandwidth capacity of 40 Gbps per slot Allows additional slots for increased port density
Hardware-based Cisco Express Forwarding	Offers Layer 3 (IP and MPLS) forwarding rates of 30 Mpps
Faster CPU and added memory (over its predecessor Supervisor Engine 720)	Performance improvements include: Faster protocol convergence times Improved Internet Group Management Protocol (IGMP) snooping times Improved router boot-up times Faster rates of establishing Dynamic Host Configuration Protocol (DHCP) server, Label Distribution Protocol (LDP) IP sessions, and traffic engineering
High-density residential subscribers aggregation	Allows customers to support a combination of Layer 2 VPN (L2VPN) and L3VPN features for use in a quadruple-play network

Product Specifications

Description

Description	Specification
Supported chassis and line cards	Cisco 7604, 7606, 7606-S, 7609, 7609-S, and 7613 SPA interface processors (SIPs) and shared port adapters (SPAs): Cisco 7600 Series SPA Interface Processor-600 (Cisco 7600 SIP 600) Cisco 7600 SIP 400 Cisco 7600 SIP 200 Cisco 7600 Series/Catalyst 6500 Series Enhanced FlexWAN Module Ethernet services modules (part numbers): 7600-ES20-GE3C 7600-ES20-GE3CXL 7600-ES20-10G3C 7600-ES20-10G3CXL All 7600-ES+ Variants since SRD All 76-ES+XT variants since SRE All 76-ES+XC variants since SRE All 76-ES+T variants since SRD4 Distributed Forwarding Cards (part numbers): DFC3C DFC3CXL DFC3B DFC3BXL High-Density Ethernet cards (part numbers): WS-X6700 WS-6500 WS-X6400 WS-X6100
Slot requirements	Occupies the switch fabric slots in the chassis: 4-slot chassis: slots 1 and 2 6-slot chassis: slots 5 and 6 9-slot chassis: slots 5 and 6 13-slot chassis: slots 7 and 8
Software compatibility	Cisco 7600 Series RSP 720 is introduced on Cisco IOS Software Release 12.2.33SRB train

Protocols	Layer 3 routing protocols, Border Gateway Protocol version 4 (BGPv4), Open Shortest Path First (OSPF), Intermediate System-to-Intermediate System (IS-IS), Routing Information Protocol (RIP), Distributed Forwarding Information Base (FIB) switching, Cisco Discovery Protocol, and Internet Control Message Protocol (ICMP) Multicast forwarding, Protocol independent Multicast (PIM) (both sparse and dense mode), (S, G), (, G), and Bidirectional PIM in hardware Comprehensive MPLS support Cisco Group Management Protocol and Internet Group Management Protocol (IGMP) snooping
Reliability and availability	Fast software upgrade (FSU) Route Processor Redundancy+ (RPR+) Stateful Switchover + Nonstop Forwarding (SSO + NSF) Online insertion and removal (OIR) hot-swap
MIBs	MPLS LDP MIB, MPLS Label Switch Router (LSR) MIB, MPLS-TE MIB, and MPLS VPN MIB; refer to software release notes for additional information Check the following MIB finder for more information:http://www.cisco.com/public/sw-center/netmgmt/cmtk/mibs.shtml.
Network management	Cisco Works
Physical specifications	(H x W x D): 1.6 x 15.3 x 16.3 in. (4.0 x 37.9 x 40.3 cm) Weight: 11.5 lb
Power consumption	310W
Environmental conditions	Operating temperature: 32 to 104°F (0 to 40°C) Storage temperature: -40 to 167°F (-40 to 75°C) Relative humidity: 10 to 90%, noncondensing Regulatory compliance
Compliance	CE Markings Safety UL 60950 EN 60950 CSA-C22.2 No. 60950 IEC 60950 AS/NZS 3260 IEC 60825-1, -2 EN 60825 -1, -2 21CFR1040-10 TS001 EMC FCC Part 15 (CFR 47) Class A ICES-003 Class A EN 55022 Class A CISPR 22 Class A AS/NZS 3548 Class A VCCI Class A EN55024 ETS300 386 EN50082-1 EN61000-6-1 Emission 47 CFR Part 15: 2005 CISPR22: 2005 EN300386: V1.3.3 : 2005 EN55022: 1994 [+ amd 1 & 2] EN55022: 1998 EN61000-3-2: 2000 EN61000-3-3: 1995 [+ amd 1: 2001] ICES-003 Issue 4 : 2004 KN 22: 2005 VCCI: V-3/2006.04 Immunity CISPR24: 1997 [+ amd 1 & 2] EN300386: V1.3.3 : 2005 EN50082-1: 1992 EN50082-1: 1997 EN55024: 1998 [+ amd 1 & 2] EN61000-6-1: 2001

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