

Refurbished CISCO UBR7200-NPE-G2 Datasheet

CISCO > INTERFACES-MODULES

Cisco Network Processing Engines

Features and Benefits of Cisco uBR7200-NPE-G2

Feature	
Feature	Benefit
Performance of up to 1.3 Million Packets per Second (Mpps) in Cisco Express Forwarding Switching	Up to 2x performance improvement compared to uBR7200-NPE-G1 Dramatically increases the performance and scalability of the Cisco uBR7246VXR Series in supporting the number of DOCSIS devices and data forwarding performance, specifically in reference to the number of VoIP sessions
Modularity	Enables maximum investment protection through the ability to upgrade processors incrementally
Three Fixed Gigabit Ethernet Ports (10/100/1000-Mbps Copper or Small Form-Factor Pluggable Optics [SFP])	Maximizes LAN connectivity and performance without taking up bandwidth points or mid-plane capacity
Built-in I/O Function (Compact Flash Memory, Console Port, Auxiliary Port, and Bootflash Memory)	Reduces cost as customers no longer need to use the external I/O controller. An I/O controller can still be used if a customer considers it necessary. The Cisco uBR7200- NPE-G2 is supported with the Cisco uBR7246VXR Series I/O controllers with the following part numbers: C7200-I/O-2FE, and C7200-I/O-GE+E.
Support for Third Peripheral-Component-Interconnect (PCI) Bus to the I/O Controller Slot	Frees the current I/O controller ports from bandwidth allocation, allowing two PCI buses to be dedicated to the port adapter slots
1 GB of DRAM Default Memory; Optional upgrade to 2 GB DRAM	Delivers the maximum amount of default memory when compared to existing Cisco uBR7246VXR Series network processing engines, offering the following benefits: Supports more routes and routing tables Supports more Multiprotocol Label Switching (MPLS) virtual routing and forwarding instances (VRFs) Enables higher scalability on features such as NetFlow, access control lists (ACLs), and more Supports more sessions for broadband aggregation
Dedicated Management port for 10/100-Mbps Ethernet	Reduces costs and protects the port density of the chassis Increases security by separating management traffic from data plane traffic
Digital Diagnostics on SFP Interfaces (software support will be provided in future releases)	Provides a powerful tool to monitor multiple manageable parameters, including optical transmit and receive power, voltage and temperature measurement, and factory parameters
Time Domain Reflectometry (TDR) on Copper Interfaces (software support will be provided in future releases)	Provides an effective method of isolating fault at the remote end of the copper wire by monitoring reflected pulsed signals
Two USB Ports (software support will be provided in future releases)	Provides large, removable storage for files

Hardware and Software Features

Processor	1.67-GHz Motorola Freescale 7448 processor 512 KB NVRAM, 16 MB Bootflash (Note: This size NVRAM and Bootflash are only available when a Cisco I/O controller is not used)
Cache Size	1-MB Layer 2 cache
SDRAM Memory Size	1 GB SDRAM default memory (expandable to 2 GB)
Flash Memory Size	256 MB of Compact Flash memory
On Board Software	Error Correcting Code (ECC) support

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