

# Refurbished CISCO BBA Datasheet

CISCO > ROUTERS

## Cisco 7200 Series Routers

### Features and Benefits of Cisco 7201

| Feature                                                                                                  | Benefit                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|----------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Performance</b>                                                                                       | Offers up to 2 million packets per second (2Mpps) in Cisco Express Forwarding switching<br>Offers up to twice the performance compared to Cisco 7301<br>Dramatically increases the performance and scalability of the Cisco 7200VXR Series in WAN and MAN applications for both enterprise and service providers                                                                                                                                                                  |
| <b>Modularity</b>                                                                                        | Enables maximum investment protection through the ability to upgrade processors incrementally                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Single Cisco 7000 Family Port Adapter Slot</b>                                                        | Offers backward compatibility with existing port adapters (with a few exceptions)<br>Maximizes investment protection and flexibility by allowing customers to use existing port adapters, also simplifying sparring<br>Note: Only a few end-of-sale port adapters are not supported with the Cisco 7201; details follow.                                                                                                                                                          |
| <b>Compact Form Factor and Low Power Consumption (85 watts)</b>                                          | Uniquely positioned as one of the fastest 1RU routers in the industry today; customers can maximize router performance where space is constrained<br>Rack and stack" allows customers to maximize the use of space in expensive Internet service provider (ISP) data centers<br>Ideal for a dedicated security or quality-of-service (QoS) appliance at the edge of enterprise networks                                                                                           |
| <b>Support for Cisco IOS Software</b>                                                                    | Supports a wide range of IP and non-IP network services, including QoS, MPLS, broadband aggregation, integrated security, encryption, voice, and more                                                                                                                                                                                                                                                                                                                             |
| <b>Four built-in GE Ports Directly on the Chassis</b>                                                    | Maximizes LAN connectivity and performance without taking up slot capacity<br>High-speed LAN interfaces no longer have to share a PCI bus with port adapters<br>The first two ports provide either RJ45 copper or SFP optical connectivity; the other two ports provide only SFP optical connectivity because of space constraint. The first two ports can also be configured as 10/100 (Ethernet/FE) when RJ45 copper interface is used. (refer to Figure 2)                     |
| <b>1 GB of DRAM Default Memory, Upgradeable to 2 GB of DRAM</b>                                          | Supports more routes and routing tables<br>Supports more MPLS virtual routing and forwarding instances (VRFs)<br>Supports more sessions for broadband aggregation<br>Enables higher scalability on features such as NetFlow, Network Address Translation (NAT), access control lists (ACLs), and more Cisco IOS Software<br>Supports a wide range of IP and non-IP network services, including QoS, MPLS, broadband aggregation, integrated security, encryption, voice, and more |
| <b>Built-in I/O function (Compact Flash Memory, Console Port, Auxiliary Port, and Boot Flash Memory)</b> | Reduces costs                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Dedicated Management for 10-/100-Mbps Ethernet</b>                                                    | Reduces costs and protects chassis port density                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Digital Diagnostics on SFP Interfaces</b>                                                             | Provides a powerful tool that monitors many manageable parameters, including optical transmit and receive power, voltage and temperature measurement, and factory parameters                                                                                                                                                                                                                                                                                                      |
| <b>Time Domain Reflectometry (TDR) on Copper Interfaces</b>                                              | Provides an effective method of isolating fault at the remote end of the copper wire by monitoring reflected pulsed signals                                                                                                                                                                                                                                                                                                                                                       |
| <b>One USB port</b>                                                                                      | Supports v1.1 and v2.0 (12-Mbps maximum speed)<br>Provides a large, removable storage for files<br>Stores security e-tokens for VPN applications                                                                                                                                                                                                                                                                                                                                  |
| <b>Redundant Power Supply with Field-Replaceable Unit (FRU) Capability</b>                               | Improved reliability                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Front-to-Back Airflow</b>                                                                             | Four fan intakes<br>Efficient heat dissipation                                                                                                                                                                                                                                                                                                                                                                                                                                    |

### Product Specifications for Cisco 7201 Router

| Product                    | Specifications                                                                                        |
|----------------------------|-------------------------------------------------------------------------------------------------------|
| Processor                  | 1.67-GHz Motorola Freescale 7448 processor                                                            |
| Performance                | 2,000,000 pps or more                                                                                 |
| LAN ports                  | 4 Gigabit Ethernet ports                                                                              |
| Gigabit Ethernet Optics    | SFP<br>Short wave (SX)<br>Long wave/long haul (LX/LH)<br>Extended wavelength (ZX)<br>RJ-45 copper SFP |
| DRAM                       | 1 GB default (2 GB maximum)                                                                           |
| Compact Flash              | 64 MB default (256 MB maximum)                                                                        |
| Cisco IOS Software Release | 12.2(31)SB4, 12.4XD7, and 12.4PI6                                                                     |

## Power Requirements of Cisco 7201

|                                  |                                                        |
|----------------------------------|--------------------------------------------------------|
| Dual AC power supply information | Dual AC Power Supply Information                       |
| Input power                      | 150W maximum                                           |
| Typical input power              | 85W                                                    |
| Input voltage rating             | 100 to 240 VAC wide input with power factor correction |
| Input current rating             | 2A maximum                                             |
| Typical input current            | 0.85A at 100 VAC<br>0.35A at 240 VAC                   |
| Input frequency rating           | 50/60 Hz                                               |
| Input cable                      | Use only Cisco agency approved power cords             |

## Physical and Environmental Specifications of Cisco 7201

| Physical Specifications    |                                                                 |
|----------------------------|-----------------------------------------------------------------|
| Dimensions (H x W x D)     | 1.75 x 19 x 16.9 in. (4.44 x 48.26 x 42.93 cm)                  |
| Weight                     | Chassis fully configured with a port adapter ~16.5 lb (7.48 kg) |
| Environment Specifications |                                                                 |
| Operating Temperature      | 32 to 104°F (0 to 40°C)                                         |
| Storage Temperature        | -4 to 149°F (-20 to 65°C)                                       |
| Operating Humidity         | 10 to 90% non-condensing                                        |
| Storage Relative Humidity  | 5 to 95%                                                        |
| Operating Altitude         | 60 to 2000m                                                     |

## Product Regulatory Approval and Compliance

|            |                                                                                                                           |
|------------|---------------------------------------------------------------------------------------------------------------------------|
| Regulatory | Compliance                                                                                                                |
| Safety     | CAN/CSA-C22.2 No. 60950-1-03<br>EN 60950-1<br>IEC 60950-1<br>AS/NZS 60950-1<br>EN/IEC 60825-1<br>21 CFR 1040<br>UL60950-1 |
| EMC        | AS/NZS CISPR22 Class A<br>47CFR Part 15 Class A (FCC Regulations)<br>EN300386<br>EN55022 Class A                          |

|             |                                                                                                                                                                                 |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|             | EN61000-3-2<br>EN61000-3-3<br>ICES003 Class A<br>VCCI Class A<br>CISPR22 Class A                                                                                                |
| <b>NEBS</b> | Designed to meet GR-63-Core NEBS Level 3<br>Designed to meet GR-1089-Core NEBS Level 3                                                                                          |
| <b>ETSI</b> | Designed to meet ETS 300 019-1-1, Class 1.2 Storage<br>Designed to meet ETS 300 019-1-2, Class 2.3 Transportation<br>Designed to meet ETS 300 019-1-3, Class 3.2 Stationary Use |

## FRU Power Supply Ordering Information

| Product Description                         | Part Number  |
|---------------------------------------------|--------------|
| Cisco 7201 AC Power Supply option           | PWR-7201-AC  |
| Cisco 7201 AC Power Supply option - Spare   | PWR-7201-AC= |
| Cisco 7201 DC48 Power Supply Option         | PWR-7201-DC  |
| Cisco 7201 DC48 Power Supply Option - Spare | PWR-7201-DC= |

## The next steps...

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