APPENDIX A

Cisco uBR7200 Series Router Specifications

This appendix provides information on the Cisco uBR7200 series universal broadband router physical and system specifications.

- Cisco uBR7246 Physical and System Specifications, page A-1
- Cisco uBR7246VXR Physical and System Specifications, page A-3

Cisco uBR7246 Physical and System Specifications

Table A-1 lists the Cisco uBR7246 physical specifications, power requirements, and software compatibility.

Table A-1 Cisco uBR7246 Physical Specifications

Description	Specification
Midplane	Two primary PCI buses and one secondary PCI bus with an aggregate bandwidth of 600 Mbps
Dimensions (H x W x D)	10.5 x 17.00 x 21.25 in. (26.67 x 43.18 x 53.98 cm)
Weight	Chassis fully configured with a network processing engine, I/O controller, 2 port adapters, 4 cable modem cards, 2 power supplies, and a fan tray: ~ 100 lb (45.4 kg)
Heat dissipation	800W[1] (2730 Btu[2])
AC-input power	800W maximum (with either a single or dual power supply configuration)
Maximum AC-input voltage	100 to 240 VAC[3] wide input with power factor correction
AC-input current rating	7A[4] maximum at 110 VAC and 3.5A maximum at 240 VAC with the chassis fully configured
AC-input cable	18 AWG[5] three-wire cable, with a three-lead IEC-320 receptacle on the power supply end, and a country-dependent plug on the power source end
DC-input voltage rating	–48 VDC[6] nominal in North America –60 VDC nominal in the European Community
DC-input current rating	Not to exceed 13A maximum at –48 VDC (370W/–48 VDC = 7.7A typical draw) Not to exceed 8A maximum at –60 VDC (370W/–60 VDC = 6.2A typical draw)
DC-input cable	12 AWG (3.91 mm^2) recommended minimum, with at least three conductors rated for at least 140°F (60°C)
DC-output power	300W maximum (with either a single or dual power supply configuration)

Table A-1 Cisco uBR7246 Physical Specifications (continued)

Description	Specification
DC voltages supplied	+12.V
Operating Frequency	50/60 Hz
Airflow	~120 cfm[7]
Temperature	32 to 104°F (0 to 40°C)
Humidity	10 to 90% noncondensing
Cisco IOS Release	12.2(5)T or later version of Cisco IOS Release 12.2 T 12.1(8)EC or later version of Cisco IOS Release 12.1 EC 12.1(7)CX or later version of Cisco IOS Release 12.1 CX 12.1(6)EC1 or later version of Cisco IOS Release 12.1 EC1 12.1(6)EC or later version of Cisco IOS Release 12.1 EC 12.1(5)XM4 or later version of Cisco IOS Release 12.1 XM 12.1(5)T or later version of Cisco IOS Release 12.1 T 12.1(4)CX or later version of Cisco IOS Release 12.1 CX 12.1(3)XQ3 or later version of Cisco IOS Release 12.1 XQ 12.1(1)T or later version of Cisco IOS Release 12.1 T 12.0(13)SC or later version of Cisco IOS Release 12.0 SC 12.0(12)SC or later version of Cisco IOS Release 12.0 SC 12.0(11)SC or later version of Cisco IOS Release 12.0 SC 12.0(10)SC1 or later version of Cisco IOS Release 12.0 SC1 12.0(9)SC or later version of Cisco IOS Release 12.0 SC 12.0(8)SC1 or later version of Cisco IOS Release 12.0 SC1 12.0(7)SC or later version of Cisco IOS Release 12.0 SC 12.0(7)XR3 or later version of Cisco IOS Release 12.0 XR 12.0(7)XR2 or later version of Cisco IOS Release 12.0 XR 12.0(6)SC or later version of Cisco IOS Release 12.0 SC 12.0(1)T or later version of Cisco IOS Release 12.0 T 11.3(9)NA1 or later version of Cisco IOS Release 11.3NA
Agency approvals	Safety: UL 1950, CSA 22.2 No. 950, EN60950 EMI: FCC Class B, CSA Class B, EN60555-2, EN55022 Class B, VCCI Class 2, AS/NRZ 3548 Class B Immunity: IEC-1000-4-2, IEC-1000-4-3, IEC-1000-4-4, IEC-1000-4-5, IEC-1000-4-6, IEC-1000-4-11, IEC 1000-3-2 See *Regulatory Compliance and Safety Information for the Cisco uBR7200 Series Universal Broadband Routers* at the following URL: http://www.cisco.com/en/US/docs/cable/cmts/ubr7200/regulatory/compliance/ub72rcsi.html

1. W = watts
2. Btu = British thermal units.
3. VAC = volts alternating current.
4. A = ampere.
5. AWG = American Wire Gauge.
6. VDC = volts direct current.
7. cfm = cubic feet per minute.

Cisco uBR7246VXR Physical and System Specifications

Table A-2 lists the Cisco uBR7246VXR physical specifications, power requirements, and software compatibility.

Table A-2 Cisco uBR7246VXR Physical Specifications

Description	Specification
Midplane	Two primary PCI buses and one secondary PCI bus with an aggregate bandwidth of 600 Mbps
Dimensions (H x W x D)	10.5 x 17.00 x 21.25 in. (26.67 x 43.18 x 53.98 cm)
Weight	Chassis fully configured with a network processing engine, I/O controller, 2 port adapters, 4 cable modem cards, a cable clock card, 2 power supplies, and a fan tray: ~ 100 lb (45.4 kg)
Heat dissipation	800W[1] (2730 Btu[2])
AC-input power	800W maximum (with either a single or dual power supply configuration)
Maximum AC-input voltage	100 to 240 VAC[3] wide input with power factor correction
AC-input current rating	7A[4] maximum at 110 VAC and 3.5A maximum at 240 VAC with the chassis fully configured
AC-input cable	18 AWG[5] three-wire cable, with a three-lead IEC-320 receptacle on the power supply end, and a country-dependent plug on the power source end
DC-input voltage rating	–48 VDC[6] nominal in North America –60 VDC nominal in the European Community
DC-input current rating	Not to exceed 13A maximum at –48 VDC (370W/–48 VDC = 7.7A typical draw) Not to exceed 8A maximum at –60 VDC (370W/–60 VDC = 6.2A typical draw)
DC-input cable	14 AWG (2.08 mm^2) recommended minimum, with at least three conductors rated for at least 140°F (60°C)
DC-output power	550W maximum (with either a single or dual power supply configuration)
DC voltages supplied	+3.5V, +5.2V, +12.2V, –12.2V, +16V, –16V
Operating Frequency	50/60 Hz
Airflow	~120 cfm[7]
Temperature	32 to 104°F (0 to 40°C)
Humidity	10 to 90% noncondensing

Table A-2 Cisco uBR7246VXR Physical Specifications (continued)

Description	Specification
Cisco IOS Release	12.2(5)T or later version of Cisco IOS Release 12.2 T 12.1(8)EC or later version of Cisco IOS Release 12.1 EC 12.1(7)CX or later version of Cisco IOS Release 12.1 CX 12.1(6)EC1 or later version of Cisco IOS Release 12.1 EC1 12.1(6)EC or later version of Cisco IOS Release 12.1 EC 12.1(5)XM4 or later version of Cisco IOS Release 12.1 XM 12.1(5)T or later version of Cisco IOS Release 12.1 T 12.1(4)CX or later version of Cisco IOS Release 12.1 CX 12.1(3)XQ3 or later version of Cisco IOS Release 12.1XQ 12.1(1)T or later version of Cisco IOS Release 12.1 T 12.0(13)SC or later version of Cisco IOS Release 12.0 SC 12.0(12)SC or later version of Cisco IOS Release 12.0 SC 12.0(11)SC or later version of Cisco IOS Release 12.0 SC 12.0(10)SC1 or later version of Cisco IOS Release 12.0 SC1 12.0(9)SC or later version of Cisco IOS Release 12.0 SC 12.0(8)SC1 or later version of Cisco IOS Release 12.0 SC1 12.0(7)SC or later version of Cisco IOS Release 12.0 SC 12.0(7)XR3 or later version of Cisco IOS Release 12.0 XR 12.0(7)XR2 or later version of Cisco IOS Release 12.0 XR 12.0(7)T or later version of Cisco IOS Release 12.0 T
Agency approval	Safety: UL 1950, CSA 22.2 No. 950, EN60950 EMI: FCC Class B, CSA Class B, EN60555-2, EN55022 Class B, VCCI Class 2, AS/NRZ 3548 Class B Immunity: IEC-1000-4-2, IEC-1000-4-3, IEC-1000-4-4, IEC-1000-4-5, IEC-1000-4-6, IEC-1000-4-11, IEC 1000-3-2 See *Regulatory Compliance and Safety Information for the Cisco uBR7200 Series Universal Broadband Routers* at the following URL: http://www.cisco.com/en/US/docs/cable/cmts/ubr7200/regulatory/compliance/ub72rcsi.html

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2. Btu = British thermal units.
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4. A = ampere.
5. AWG = American Wire Gauge.
6. VDC = volts direct current.
7. cfm = cubic feet per minute.