

MB7220 8x4 343 Mbps Cable Modem

motorola

The Motorola Model MB7220 cable modem meets the cable industry's DOCSIS 3.0 standard for speeds up to 343 Mbps, and also works with lower-speed DOCSIS 2.0 and 1.1 services. Full-Band Capture Digital Tuning allows service providers to offer more channels and accelerate downloads.

This modem can be plugged into the Ethernet port of a Windows, Mac, or Linux computer, an HDTV, a game station, or other Ethernet-capable device. The MB7220 can also be plugged into a wired or wireless router for sharing of your high-speed service with multiple devices. With its easy installation, high speed, and broad compatibility, the MB7220 is the perfect choice for almost any cable modem user.

Package Contents

- Cable Modem
 Power Cube
 Ethernet Cable
- Velcro[®] Cable Organizer
 Coax Connection Tool
- Quick Start Flyer

Features

Easy installation

Fast data speed – Up to 343 Mbps downstream and 123 Mbps upstream with bonding of up to eight channels downstream and four channels upstream. Full-Band Capture Digital Tuning lets service providers deliver faster, more reliable Internet.

Fast 10/100/1000 Base-T Ethernet connectivity – Supports very fast DOCSIS 3.0 data transfers and provides compatibility and easy installation with almost any computer, wired and wireless routers, HDTVs, game stations, and other Ethernet-capable devices.

Supports IPv4 and IPv6 – Support for the latest Internet addressing keeps your equipment current.

Five status-reporting LEDs – LAN, Online, Upstream, Downstream, and Power lights allow easy status monitoring.



DOCSIS 3.0 compatible, and compatible with earlier

standards – Provides support for the latest data-over-cable standard DOCSIS 3.0, as well as DOCSIS 1.1 and 2.0, to ensure operation and compatibility with all U.S. operators. DOCSIS (Data Over Cable Service Interface Specification) is the industry standard for transmission of Internet data over cable-based systems in the U.S. and many other countries.

SNMPv1/v2/v3

Compact, space-saving design

Experienced, U.S.-based technical support

Certified by CableLabs[®], Comcast XFINITY[®], Time Warner Cable[®], and other service providers

Two year warranty



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Specifications

General

Core Chipset:	Broadcom BCM3383D
Management:	Web-based management interface utility
TFTP Client:	TFTP support for cable modem configuration file download
ToD (RF868):	ToD support for local and MSO time synchronization
DHCP Client:	Automatically retrieves IP and DNS server address from DHCP server at ISP
Application Protocol:	SNMP v1/v2/v3
Network Protocols:	IPv4, IPv6, TCP, UDP, ARP, ICMP, DHCP, FTP, TFTP, SNMP, HTTP
Security:	DOCSIS 3.0 Security (BPI+, EAE, SSD)
Upstream: Data Rate*: Frequency: Modulation: Operating Level Range:	Up to 123 Mbps (4 channels), Up to 31 Mbps (single channel) 5 to 42 MHz (edge to edge) QPSK, 8QAM, 16QAM, 32QAM, 64QAM,128QAM, 256QAM A-TDMA: +8 to +54 dBmV (32QAM, 64QAM) +8 to +58 dBmV (QPSK) S-CDMA: +8 to +53 dBmV (all modulations)
Downstream: Data Rate*: Frequency: Modulation: Operating Level Range:	Up to 343 Mbps (8 channels), Up to 43 Mbps (single channel) 88 to 1002 MHz (edge to edge) 64 or 256 QAM -15 to +15 dBmV
Operating Parameters	
Warranty:	Two years
Surge Protection:	Ruggedized cable and power lightning protection
Certifications:	FCC part 15B, Bureau Veritas 60950-1 ITE safety, CableLabs®, cable service providers
Operating Temperature:	1 Amp output and 110VAC nominal input. NEMA 5-15 (North American style) plug is provided in the US. 32° to 104° F (0° to 40° C)
Power Adapter:	DoE-compliant Level VI energy-saving, UL-listed power adapter with 12 Volt DC,
Size: Weight:	9.3 ounces (264 grams)
Status Indicators: Size:	Ethernet link, Connection status, Upstream link, Downstream link, Power 6.1" H x 4.9" D x 2" W (155mm x 124mm x 51mm)
Ethernet LAN Interface: Status Indicators:	RJ-45 10/100/1000 Mbps Ethernet, with Auto-MDI/MDIX
	F-type female 75 Ω (standard coaxial connector)

Specifications Subject To Change Without Notice

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