

CISCO MC 88V

DOCSIS 3.0 LINE CARD



The Cisco uBR-MC88V Docsis 3.0 line card for uBR 7200 Universal Broadband Routers is capable of eight downstream (Annex A or Annex B) and eight upstream channels. The port count remains exactly the same as the Cisco uBR-MC28U, with two downstream ports and eight upstream ports. This enables the Cisco uBR-MC88V to offer a simple upgrade path from the older line card without any change to the cable wiring. Each downstream port is capable of carrying four frequency stacked downstream channels. Each downstream channel is configurable as part of DOCSIS 3.0 channel bonding or DOCSIS 2.0/1.x channel. The line card also supports an extended DOCSIS upstream frequency range of 5-65 MHz and downstream of 70 MHz to 1 GHz for DOCSIS operations.

- High port density
- Onboard spectrum analyzer hardware
 - Reduces return path monitoring costs
 - Improves operational efficiency
- Dedicated MAC layer hardware
- DOCSIS and Euro DOCSIS
- DOCSIS 3.0 IPDR/SP
- S-CDMA and logical channel
- Wideband modem resiliency

SPECIFICATIONS

PHYSICAL		MINIMUM CISCO IOS SOFTWARE RELEASE
Occupies a Single Slot in the Cisco uBR7200VXR Chassis		Cisco IOS Software Release 12.2SC Minimum to Support PCMM, Admission Control, Advanced Mode DSG, and SII Cisco IOS Software
Maximum two Line Cards per uBR7225VXR Chassis and four Line Cards per uBR7246VXR Chassis		
Hot swappable; no slot Dependency		COMPATIBLE CISCO NETWORK PROCESSING ENGINES
POWER CONSUMPTION		To operate Cisco uBR7200 Series uBR-MC88V BPE, the Cisco uBR7200VXR must contain a uBR7200-NPE-G2 Processor. The uBR7200-NPE-G2 must have at least 1 GB of DRAM.
90 Watts (307 BTUs per Hour) at 25°C		
RF OUTPUT POWER RANGE		
52-62 dBmV		
MODULATION		
Downstream:	64-QAM, 256-QAM	
Upstream:	QPSK 8-, 16-, 32-, 64-QAM	