



## Overview

The Media Router 8500 (CMR-8500) is a next generation IP Encapsulator. The CMR-8500 provides a Gigabit Ethernet (GE) input port and an Asynchronous Serial Interface (ASI) output port for the encapsulation of IP datagrams using ISO/EC 13818-6 Multiprotocol Encapsulation (MPE).

## Features

- Support for 80,000 IP routes
- CCM operation over ASI
- 2 GE 10/100/1000Base-T Ethernet interfaces
- 1 FE 10/100Base-T Ethernet interface
- Front panel keypad/LCD/LED user interface

## Reliable Operations

- No hard drive – All firmware boots from Flash resulting in no moving parts
- High availability product
- Embedded CPU and eCOS operating system
- Over 100,000 hours MTBF
- 1:1 Redundant support

## Ease of Use

- Configuration options: Terminal, HTTP or Telnet
- SNMP MIB II & Private MIB with traps

## Investment Protection

- Upgrade firmware individually via TFTP or FTP

## Compliance

- DVB-S (ETSI 300 421)
- DVB-S2 (ETSI EN 302 307)
- DVB Data Broadcasting (ETSI EN 301 192)

## Keypad/LCD

- 2 x 20 LCD display
- Six-button user interface
  - Up
  - Down
  - Left
  - Right
  - Enter
  - Clear

## Display LEDs

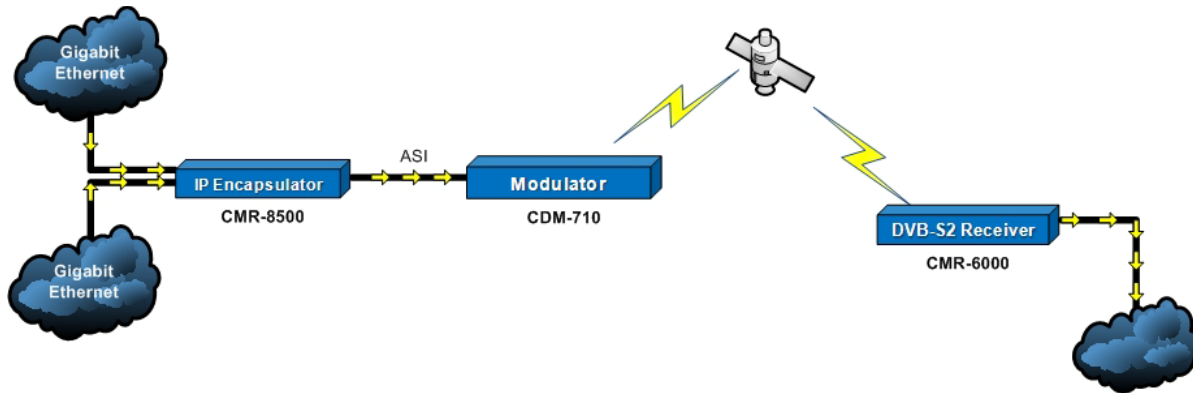
- STATUS (Red/Green)
- ASI IN 1 (Green Future)
- ASI IN 2 (Green Future)
- REDUN (Green Future)
- FE ACT (Yellow)
- GE1 ACT (Yellow)
- GE2 ACT (Yellow)
- MGT (Yellow)

## Typical Users

- Video Distribution Service Providers
- ISPs
- Advertisement Agencies

## Common Applications

- Fast Internet / intranet
- Streaming Audio / Video
- IP Multicasting
- Business TV, training, e-learning or live events
- Multicast file transfer
- Support for point-to-point Unicast transfer
- Supports transport stream over IP



## Specifications

### Physical & Power

Dimensions (height x width x depth)	1.73" x 19" x 13"
Power consumption	50 W max.
Input Voltage	Universal 100 to 240 VAC 50/60 Hz

### Environment

Operating temperature	0° to 40°C
Storage temperature	-30° to 65°C
Humidity	10% to 75% non-condensing

### Connectors

RJ-45	FE 10/100BaseT Ethernet interface GE1 10/100/1000BaseT Ethernet Interface GE2 10/100/1000BaseT Ethernet Interface
RJ-12	Terminal (RS-232)
BNC	ASI OUT 1

### Operational Support

Multicast and Unicast Routing
80,000 Simultaneous IP Routes
Section Packing enabled on a route-by-route basis

### Optional Features (FAST Options)

ASI Support for CCM (default Option)	0.5 Mbps to 100 Mbps 188- or 204-byte Mode
8,192 PIDs Supported	
PSI Support for up to 1,000 IP Routes	

### Performance Options

10 Mbps (default)
20 Mbps
40 Mbps
85 Mbps
100 Mbps



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