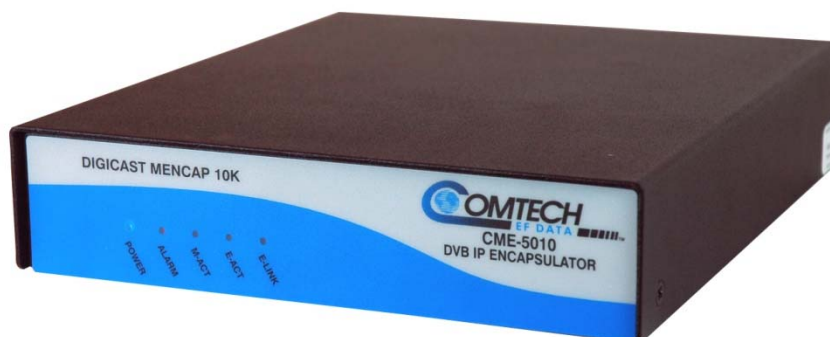


CME-5010 MENCAP 50-10K ATSC/DVB Encapsulator



GENERAL HIGHLIGHTS

The MENCAP 50-10K Encapsulator (CME-5010) is built on an embedded system platform capable of supporting up to 73 Mbps. The MENCAP 50-10K is capable of routing both Multicast and Unicast traffic and can support up to 10,000 routes.

A Redundancy Bundle (CME-5110) is an option for those customers requiring high availability. The Redundancy Bundle comes with two MENCAP Encapsulators, an auto failover switch and a 1 RU shelf.

FEATURES

- 10,000 simultaneous routes
- Enable/disable transmit per route
- PSI Announcement (PAT/PMT)
- Support for Multicast and Unicast datagrams
- MPE section packing on a per-route basis to conserve bandwidth
- QoS on a per-route basis
- IP Copy to route multiple unicast IP destination address using one destination IP and a subnet mask
- Multicast Zones (support for Multiple Multicast IP addresses with a single route)
- SMPTE 325M - Opportunistic Data Insertion
- Promiscuous mode operation
- IGMP v3
- 802.1q support (VLAN Tags)
- MPEG-2 188/204 framing supported
- Support for TCP to UDP conversion
- ATSC compliant with data casting and PSIP tables

EASE OF USE

- Configure via Terminal, HTTP, Telnet or SNMP (Private MIB)
- SNMP MIB II & Private MIB
- Multicast file transfer
- Configure through password protected Telnet or web
- Colored LEDs on front panel indicate activity and status
- View statistics for routes and egress performance
- Upgrade software securely through TFTP

TRANSMISSION

- Supports ATSC, DVB-S, DVB-S2 (CCM), DVB-C and DVB-T

RELIABLE OPERATIONS

- High availability product
- Redundancy / switchover capability for continuous non-interruptive service during alarm condition or failure
- No hard drive: All firmware is stored in Flash resulting in no moving parts
- Embedded product built on eCOS
- On-the-fly configuration changes while passing data – No restart required!
- Provides high reliability with an embedded operating system
- Over 100,000 hours MTBF
- 1:1 redundancy support with ME Redundancy Switch (optional)

APPLICATIONS

- IPTV
- IP Multicasting
- File delivery
- Streaming audio/video
- Multicast file transfer
- Compatible with Kencast Fazzt software

PERFORMANCE

- 100 kbps to 73 Mbps (1,469 byte IP packets)
- Burstable to 85 Mbps
- 12,000 PPS (48 byte IP packets)
- 10,000 routes
- Section packing on a per-route basis
- QoS allows user to set bit rate guaranteed and maximum rates per route
- Support for all 8,192 PIDs
- Packet statistics on a per-route basis and aggregate
- Compliant:
 - EN 301 192
 - ISO/IEC 13818-1
 - EN 50083-9
 - A/65 PSIP
 - A/90 Data Broadcast Standard
 - DVB-S, DVB-S2 (CCM), DVB-C and DVB-T

CME-5010 MENCAP 50-10K ATSC/DVB



CME-5110 MENCAP Redundancy Bundle

PHYSICAL & POWER

- 1 RU High
- Length = 8 1/8"
- Width = 7 1/4"
- Height = 1 3/4"
- Power consumption: 6.3 W max
- Input voltage: Universal 100-240VAC 47-63Hz desktop power supply to 5VDC @ 2.5 (When using the Redundancy Switch, total input required for operation 25 W)

ENVIRONMENT

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

CONNECTORS

- 2 BNC: Dual DVB-ASI output (EN 50083-9)
- 1 RJ-45: 10/100 Base-T port (IEEE 802.3u)
- 1 RJ-12: Terminal (RS-232)
- 1 RJ-12: Redundancy (RS-232)
- 1 DB-25: RS-422/RS-530 (optional in lieu of ASI out)

REGULATORY COMPLIANCE

- Emissions: CE Class A & FCC Part 15 Class A
- Safety: Power Supply UL, CE, CB, GS & TUV

REDUNDANCY SWITCH

- Push-button control from front panel
- Colored-LED status indicators
- Over 400,000 hours MTBF
- Failsafe design in the event of power failure (secondary defaults to online)
- Provides redundancy switch in less than 1 second
- Automatic recovery (secondary-to-primary) in auto mode
- 270 Mbps design using high-quality microwave relay
- 1 RU 19" rack-mount shelf can house one redundancy switch and two MENCAP Encapsulators

OPTIONAL EQUIPMENT

- Rack Mount Shelf: (TR-1600)
 - 1 RU 19" rack-mount shelf can house one or two MENCAP units and a single redundancy switch
- ME Redundancy Switch:
 - 1:1 Redundancy Switch

