COBALT

9990-RTR-16x16-MPEG-IP • 16 Input / 16 Output Streaming IP (MPEG2-TS) Reclocking Distribution Amplifier and Router with Dual 10GigE NICs

The **9990-RTR-16X16-MPEG-IP** offers a flexible card-based solution for providing distribution copies of unicast or multicast IP streams. Unicast streams, by design, have only one destination and cannot easily be monitored by test equipment. To solve this, the 9990-RTR-16X16-MPEG-IP provides copies that can easily be sent to multiple destinations for monitoring or other purposes. With the 9990-RTR-16X16-MPEG-IP, the originating UDP/RTP stream can be replicated to reach its intended destination, as well as providing ample copies for monitoring or other purposes.

Using its two 1GigE RJ-45 ports, the 9990-RTR-16X16-MPEG-IP supports up to 16 inputs, and up to 16 outputs. Each input can be replicated up to eight times. The 9990-RTR-16X16-MPEG-IP also includes advanced redundancy protection features, allowing for automatic failover if the primary signal disappears. De-jittering and reclocking features help ensure reliable operation in all conditions and actually "cleans up" inputs with jittery IPGs. Utilizing the openGear® open-architecture control/monitoring platform, the 9990-RTR-16X16-MPEG-IP can be remotely controlled and monitored with the free, easy-to-use DashBoard™ setup and control operator interface.

FEATURES

Card-based design allows scalability of up to 10 cards per frame

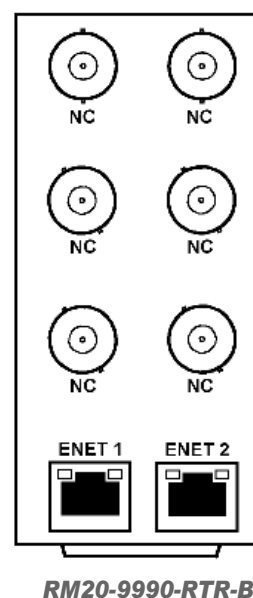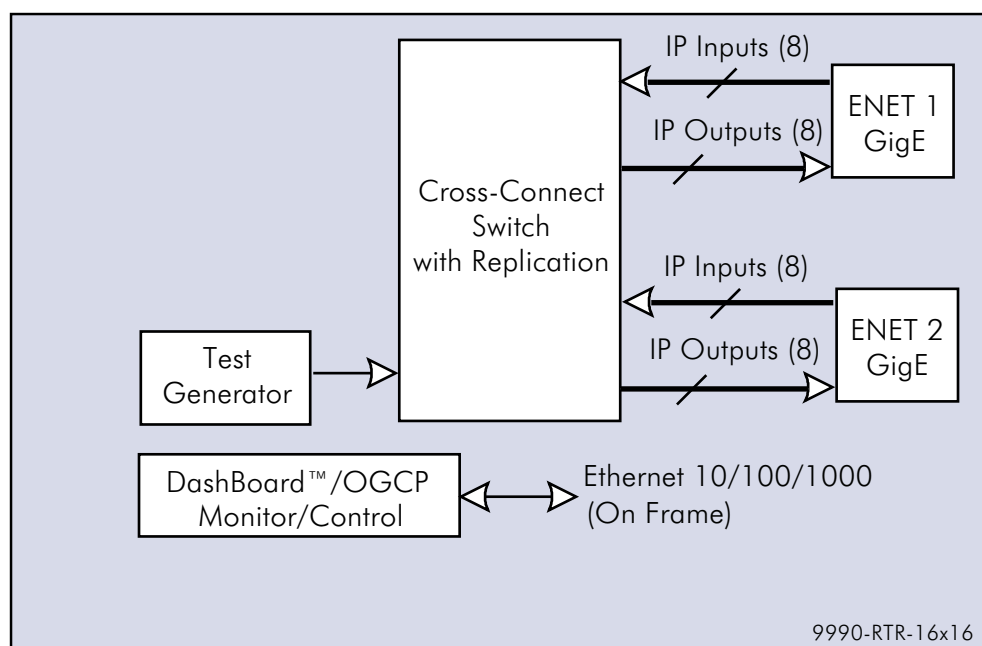Economical card-based solution provides distribution copies of unicast or multicast IP streams

De-jittering and reclocking features help ensure reliable operation – even with jittery sources

Up to 16x16 inputs and outputs using two 1GigE Ethernet ports

Easy integration and control/monitoring via DashBoard™ remote control

Hot-swappable

Five year warranty

9990-RTR-16x16

RM20-9990-RTR-B

openGear™

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SPECIFICATIONS

Power
12W

Routing Capacity
16 inputs available for routing to up to 16 outputs. Outputs can be on either or both GigE ports.
Note: The two GigE ports each are limited to 8 inputs and 8 outputs per port. Also, replication limit is 8 (i.e., a given input can be replicated only up to 8 copies).

Network I/O
Number of ports: (2) 1GigE RJ-45
IPv4, IPv6, UDP, and RTP
900 Mb/s usable GbE per Rx port
900 Mb/s usable GbE per Tx port
2 Gb/s maximum processing per card
Note: SMPTE-2022 FEC is not supported. FEC packets are discarded at the input and not generated at the output.

Regulatory Compliance
CE: CE marked in accordance with 93/68/EEC (22/07/03) Directive
UL: UL approval
US FCC: Part 15
EMC: EN55022, EN55024, EN6100-3-2

ORDERING INFORMATION

9990-RTR-16X16-MPEG-IP 16x16 Streaming IP (MPEG2-TS) Reclocking Distribution Amplifier and Router with Dual 10GigE NICs

RM20-9990-RTR-B 20-Slot Frame Rear I/O Module (Standard Width) (2) GigE RJ-45 Ethernet
Note: BNC connectors on rear module are not used for this model and are all NC.