

EMR-32x32-3G

32x32 HD/3G/12G Modular Router



EMR-32x32-3G is a 32-input by 32-output modular router designed to natively switch 12G, 3G and HD signals. It supports UHD signals as quad-link using deterministic routing. Single-link 12G UHD support can also be enabled with a feature key.

A variety of different rear plates are available that provide connections via HDBNC, fiber or a combination of both.

For maximum control flexibility, this router can be used in conjunction with Evertz' award-winning MAGNUM Unified Control System. Or, for smaller systems, the router can host a number of Evertz' control panel models over Ethernet.

Control: The EMR-32x32-3G is housed in any of the standard Evertz EMX6, EMX3 or EMX1 frames supporting dual frame controllers, providing redundant control connections.

Remote Control Panel: Any traditional or simple Evertz control panels can be used with the EMR-32x32-3G while hosted either locally or through the control system.

External Third-Party Control: EMR-32x32-3G can be controlled remotely via external third-party control devices, such as an automated system.

Power Supply: EMR-32x32-3G is housed in standard EMX6, EMX3 or EMX1 frames, all of which support dual hot-swappable power supplies ensuring continuous operation.

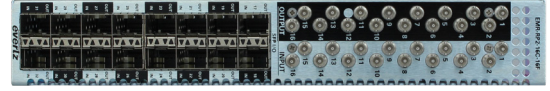
Technical: EMR-32x32-3G offers a full 3Gb/s bandwidth. 12G support is also available as a feature key. Automatic bit rate detection on the input equalizer allows any mix of HD, 3G and 12G signals in the same unit. Clean and quiet switching is also available on four outputs with a feature key.



EMR-RP2-32F



EMR-RP2-32C



EMR-RP2-16C-16F

►Features & Benefits

- Designed with up to 12Gb/s input EQs and output reclocking
- Full broadcast specifications
- Quartz over IP router control
- Redundant Ethernet network connections
- Redundant power
- Compatible with VistaLINK® PRO Command and Control, SNMP
- Output up to 12G — reclocking on/off
- Clean and quiet switching for four outputs (feature key)
- Rear plate support for HDBNC, fiber or both

►Specifications

Serial Video Inputs:	EMX3-FR:	Physical:
Standard: 4K-UHD (4-wire SQD/2SI or single-link with feature key), 3G, HD	AC Mains Input: Auto-ranging 100-240VAC 50/60Hz	Dimensions-FR: EMX6-FR: 19"W x 10.5"H x 15.75"D (483mm W x 266mm H x 400mm D) EMX3-FR: 19"W x 5.25"H x 15.75"D (483mm W x 133mm H x 400mm D) EMX1-FR: 19"W x 1.75"H x 18.75"D (483mm W x 45mm H x 477mm D) 0-40°C
Serial Video Outputs:	Max Operating Current: 4.6A (@ 100V / 60Hz) 1.85A (@ 240V / 50Hz)	Temperature: Module Capacity: EMX6-FR: 15x single-slot modules EMX3-FR: 5x single-slot modules EMX1-FR: 2x single-slot modules
Standard: Same as input	Max Power Consumption: 450 watts (90 watts per slot)	Weight: EMX6-FR: Full: 64 lbs (29 kg) Empty: 34.8 lbs (16 kg) EMX3-FR: Full: 32 lbs (14.5 kg) Empty: 17.4 lbs (8 kg) EMX1-FR: Full: 22 lbs (10 kg) Empty: 15 lbs (6.8 kg)
Switching Reference:	Power Supply Configuration: 1 supply standard, optional redundant supply requires separate inlet	
Reference inputs: 2x BNC, analog 625/525/tri-level	Connector: IEC 60320-1 per power supply	
Signal level: 1V p-p ± 3dB	Fuses: 6.3A, 250V ceramic time delay 5 x 20 mm — 2 per power supply	
Impedance: 75Ω		
Control:	EMX1-FR:	
Ethernet: 2x RJ-45	AC Mains Input: Auto-ranging 100-240VAC 50/60Hz	
Protocol: SNMP, Quartz protocol	Max Operating Current: 8.5A (@ 100V / 60Hz) 3.5A (@ 240V / 50Hz)	
Serial Signal: RS-232/RS-422	Max Power Consumption: 250 watts (125 watts per slot)	
Electrical:	Power Supply Configuration: 1 supply standard, optional redundant supply requires separate inlet	
EMX6-FR:	Connector: IEC 60320-1 per power supply	
AC Mains Input: Auto-ranging 100-240VAC 50/60Hz	Fuses: 6.3A, 250V ceramic time delay 5 x 20 mm — 2 per power supply	
Max Operating Current: 9.5A (@ 115V AC nominal) 4.0A (@ 220V AC nominal)		
Max Power Consumption: 650 watts (40 watts per slot)		
Power Supply Configuration: 1 supply standard, optional redundant supply requires separate inlet		
Connector: IEC 60320-1 per power supply		
Fuses: 6.3A, 250V ceramic time delay 5 x 20 mm — 2 per power supply		

The Complete Solution Provider



►Ordering Information

EMR-32x32-3G 32x32 HD/3G/12G Modular Router

Ordering Options:

EMX6-FR EMX 6RU router chassis with 15 slots
EMX3-FR EMX 3RU router chassis with 5 slots
EMX1-FR EMX 1RU router chassis with 2 slots
EMX-FC EMX frame controller

EMX Power Supplies:

+6PS Redundant power supply for EMX6-FR
+3PS Redundant power supply for EMX3-FR
+1PS Redundant power supply for EMX1-FR

EMX Rear Plates:

EMR-RP2-32C Rear plate with 32x32 HDBNC
EMR-RP2-32F Rear plate with 32x SFP transceiver ports
EMR-RP2-16C-16F Rear plate with 16x HDBNC plus 16x SFP transceiver ports

EMX Optional Features:

EMR-FK-12G Support for 32x32 single-link 12G UHD signals
EMR-FK-CS6 Enable up to 6x paths of CleanSwitch and Evertz' patented SoftSwitch technology for the EMR-32x32-3G and EMR-64x64-3G routers

SFP Options:

SFPTR-13-R SFP reclocked transceiver, 1310nm, standard sensitivity receiver, supports rates to 3Gb/s
SFPTR-DIN-R SDI SFP coaxial transceiver, reclocking, DIN 1.0/2.3
SFP3TR-BP-DIN-3G SD/HD/3G reclocking SFP transceiver with built-in bypass relay and DIN connectors
SFP3TR-13-12G 12Gb/s fiber dual LC SDI video transceiver, 1310nm, SF
SFP3TR-HDBNC-12G 12Gb/s SDP video transceiver SFP with HDBNC connectors