

EMR-64x64-3G

64x64 HD/3G/12G Modular Router



The EMR-64x64-3G is a 64-input by 64-output modular router designed to natively switch SD, HD and 3G signals. It supports UHD signals as quad-link using deterministic routing. Single-link 12G UHD support can also be added as 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.

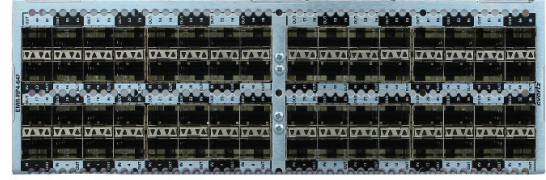
Control: The EMR-64x64-3G is housed in any of the standard Evertz® EMX6 or EMX3 frames supporting dual frame controllers, providing redundant control connections.

Remote Control Panel: Any traditional or simple Evertz® control panels can be used with the EMR-64x64-3G while hosted either locally or through the control system.

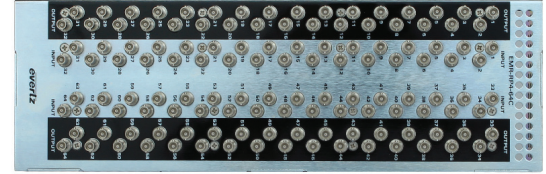
External Third-Party Control: The EMR-64x64-3G can be controlled remotely via external third-party control devices, such as an automated system.

Power Supply: The EMR-64x64-3G is housed in standard Evertz® EMX6 or EMX3 frames, both of which support dual hot-swappable power supplies ensuring continuous operation.

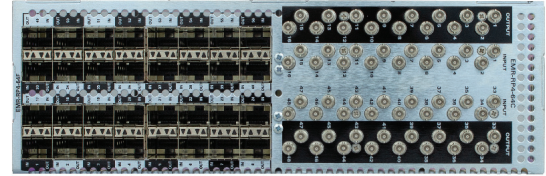
Technical: The EMR-64x64-3G offers a full 3Gb/s bandwidth. 12G support is also available as a feature key. Automatic bitrate detection on the input equalizer allows any mix of HD, 3G and 12G signals in the same unit.



EMR-RP4-64F



EMR-RP4-64C



EMR-RP4-32C-32F

Features & Benefits

- Designed with up to 12Gb/s input EQs and output reclockers
- Full broadcast specifications
- Quartz over IP router control
- Redundant Ethernet network connections
- Redundant Power
- Full VistaLINK® PRO command and control, SNMP
- Output up to 12G — reclocking on/off
- Rear plate support for HDBNC, fiber or both

Specifications

Serial Video Inputs:		Max Operating Current:		Power Supply Configuration:	
Standard:	4K-UHD (4-wire SQD/2SI or single-link with feature key), 3G, HD		9.5A (@ 115V AC nominal) 4.0A (@ 220V AC nominal)		1 supply standard, optional redundant supply requires separate inlet
Serial Video Outputs:		Max Power Consumption:		Connector:	
Standard:	Same as input		650 watts (40 watts per slot)	IEC 60320-1 per power supply	
Switching Reference:		Power Supply Configuration:		Fuses:	
Reference inputs:	2x BNC, Analog 625/525/Tri-level		1 supply standard, optional redundant supply requires separate inlet	5 x 20 mm — 2 per power supply	
Signal level:	1V p-p ± 3dB	Connector:		Physical:	
Impedance:	75Ω	IEC 60320-1 per power supply		Dimensions:	
Control:		Fuses:		EMX6-FR: 19"W x 10.5"H x 15.75"D (483mm W x 266mm H x 400mm D)	
Ethernet:	2x RJ-45	5 x 20 mm — 2 per power supply		EMX3-FR: 19"W x 5.25"H x 15.75"D (483mm W x 133mm H x 400mm D)	
Protocol:	SNMP, Quartz Protocol	EMX3-FR:		Temperature:	
Serial Signal:	RS-232/RS-422	AC Mains Input: Auto-ranging, 100↔240V AC, 50/60Hz		0-40°C	
Electrical:		Max Operating Current:		Module Capacity:	
EMX6-FR:			4.6A (@ 100V / 60Hz) 1.85A (@ 240V / 50Hz)	EMX6-FR: 15 single-slot modules EMX3-FR: 5 single-slot modules	
AC Mains Input:	Auto-ranging, 100↔240V AC, 50/60Hz	Max Power Consumption:		Weight:	
		450 watts (90 watts per slot)		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)	

Ordering Information

EMR-64x64-3G	64x64 HD/3G/12G Modular Router
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Ordering Options:

EMX Frames:

EMX6-FR EMX 6RU Router Chassis with 15 slots
EMX3-FR EMX 3RU Router Chassis with 5 slots
EMX-FC EMX frame controller

EMX Rear Plates:

EMR-RP4-64C Rear plate with 64x64 HDBNC
EMR-RP4-64F Rear plate with 64x SFP Transceiver ports
EMR-RP4-32C-32F Rear plate with 32x HDBNC plus 32x SFP Transceiver ports

EMX Power Supplies:

+6PS Redundant Power Supply for EMX6-FR
+3PS Redundant Power Supply for EMX3-FR

EMX Optional Features:

EMR-FK-12G Support for 64x64 single-link 12G UHD signals
EMR-FK-CS6 Enable up to 6x paths of clean switch 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-12G-DIN 12Gb/s SDI video transceiver SFP

The Complete Solution Provider

