

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.

► 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)		Fuses:	
Switching Reference:		Power Supply Configuration:		Physical:	
Reference inputs:	2x BNC, Analog 625/525/Tri-level	1 supply standard, optional redundant supply requires separate inlet		Dimensions:	
Signal level:	1V p-p ± 3dB	Connector:		EMX6-FR:	
Impedance:	75Ω	Fuses:		EMX3-FR:	
Control:		EMX3-FR:		Temperature:	
Ethernet:	2x RJ-45	AC Mains Input: Auto-ranging, 100↔240V AC, 50/60Hz		Module Capacity:	
Protocol:	SNMP, Quartz Protocol	Max Operating Current:		EMX6-FR:	
Serial Signal:	RS-232/RS-422	4.6A (@ 100V / 60Hz) 1.85A (@ 240V / 50Hz)		EMX3-FR:	
Electrical:		Max Power Consumption:		Weight:	
EMX6-FR:	AC Mains Input: Auto-ranging, 100↔240V AC, 50/60Hz	450 watts (90 watts per slot)		EMX6-FR:	
				EMX3-FR:	

► Ordering Information

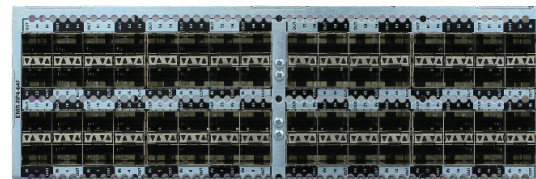
EMR-64x64-3G	64x64 HD/3G/12G Modular Router	EMX Optional Features:	
Ordering Options:		EMR-FK-12G	Support for 64x64 single-link 12G UHD signals
EMX Frames:		EMR-FK-CS6	Enable up to 6x paths of clean switch and Evertz® patented SoftSwitch technology for the EMR-32x32-3G and EMR-64x64-3G routers
EMX6-FR		SFP Options:	
EMX3-FR		SFPTR-13-R	SFP Reclocked Transceiver, 1310nm, standard sensitivity receiver, supports rates to 3Gb/s
EMX-FC		SFPTR-DIN-R	SDI SFP Coaxial Transceiver, reclocking, DIN 1.0/2.3
EMX Rear Plates:		SFP3TR-BP-DIN-3G	SD/HD/3G Reclocking SFP Transceiver with built-in Bypass relay and DIN connectors
EMR-RP4-64C	Rear plate with 64x64 HDBNC	SFP3TR-13-12G	12Gb/s Fiber dual LC SDI video transceiver, 1310nm, SF
EMR-RP4-64F	Rear plate with 64x SFP Transceiver ports	SFP3TR-12G-DIN	12Gb/s SDI video transceiver SFP
EMR-RP4-32C-32F	Rear plate with 32x HDBNC plus 32x SFP Transceiver ports		
EMX Power Supplies:			
+6PS			
+3PS			



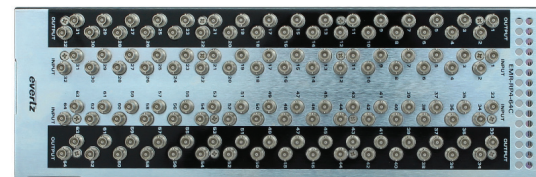
Planet Communications Asia PLC.

157 Soi Ramindra 34, Ramindra Rd., Tarang, Bangkok, Bangkok 10230
Tel: +66 2 792 2400 | Fax: +66 2 792 2499, +66 2 943 5771 | E-mail: sales@planetcomm.com

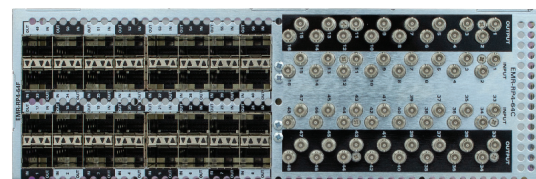
Rev. 19-1



EMR-RP4-64F



EMR-RP4-64C



EMR-RP4-32C-32F

