When applications for routing, high performance productions or high density processing are required, Evertz offers our EMX line of multicard frames. Drawing on tens of thousands of Evertz' award–winning 7000 series multiframes the EMX series was developed. This series of frames allows cards with significantly larger individual size and power consumption to be matched in a multipurpose frame. All cards in this series of frames occupy the full vertical height of the 6RU frame, and are installed horizontally in the 3RU and 1RU variations. Cards can be mixed and matched within each frame to build complex signal processing chains.

Products offered include video routing and audio routing, Master control, IP media gateways, IP routing and bulk processing.

Additionally all frames offer hot–swappable dual redundant power supplies that allow for power supply and fan replacement without compromising the integrity of critical signal paths and true remote monitoring of all modules and signals within the chassis from VistaLINK® via the frame controller. This configuration provides the SNMP network communication interface from the VistaLINK® Network Management Software to the chassis over the local or wide area network.

	EMX6–FR	EMX3–FR	EMX1–FR
SIZE	• Standard Rack Mountable 19" Wide • 6RU	• Standard Rack Mountable 19" Wide • 3RU	• Standard Rack Mountable 19" Wide • 1RU
CAPACITY	• Up to 15 single slot modules in any combination	• Up to 5 single slot modules in any combination	• Up to 2 single slot modules in any combination
CONTROL	• True SNMP • VistaLINK® via EMX–FC • Optional Controller redundancy	• True SNMP • VistaLINK® via EMX–FC • Optional Controller redundancy	• True SNMP • VistaLINK® via EMX–FC
AIR FLOW COOLING	• Front to Rear Exhaust • Front and Rear Mounted Fans	• Front to Rear Exhaust • Front and Rear Mounted Fans **(reduced noise level)**	• Front to Side Exhaust • Front Mounted Fans
POWER	• Up to 850 Watts • 40 watts of power per slot	• Up to 450 Watts • 72 watts of power per slot	• Up to 250 Watts • 120 watts of power per slot

Specifications

Switching Reference:

Reference Inputs:	2x BNC, analog 525/625/tri–level HD
Reference Timing:	2 independent timing planes, programmable per output
Signal Level:	1V p–p ±3dB
Impedance:	75Ω terminating
Connectors:	BNC per IEC 61169–8 Annex A

Electrical:

EMX6–FR:

AC Mains Input:	Auto ranging, 100 to 240V AC, 50/60Hz
Max Operating Current:	9.5A (@ 115V AC nominal), 4.0A (@ 220V AC nominal)
Max Power Consumption:	850 watts
Max Module Load:	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

EMX3–FR:

AC Mains Input:	Auto ranging, 100 to 240V AC, 50/60Hz
Max Operating Current:	4.6A (@ 100V/60Hz), 1.85A (@ 240V/50Hz)
Max Power Consumption:	450 watts
Max Module Load:	360 watts (72 watts per slot)
Power Supply Configuration:	1 supply standard, optional redundant supply requires separate inlet
Connector:	IEC 60320 –1 per power supply

EMX1–FR:

AC Mains Input:	Auto ranging, 100 to 240V AC, 50/60Hz
Max Operating Current:	8.5A (@ 100V/60Hz), 3.5A (@ 240V/50Hz)
Max Power Consumption:	250 watts
Max Module Load:	480 watts (120 watts per slot)
Power Supply Configuration:	1 supply standard, optional redundant supply requires separate inlet
Connector:	IEC 60320 –1 per power supply

Physical:

EMX6–FR:

Height:	10.5" (266 mm)
Width:	19.0" (483 mm)
Depth:	15.75" (400 mm)
Module Capacity:	15 single slot EMX series modules
Weight:	Approx. 34.8lbs (15.8kg) with 2 power supplies, no slots occupied Approx. 64.0lbs (29kg) with 2 power supplies, all slots occupied

EMX3–FR:

Height:	5.25" (133 mm)
Width:	19.0" (483 mm)
Depth:	15.75" (400 mm)
Module Capacity:	5 single slot EMX series modules
Weight:	Approx. 17.4lbs (7.9kg) with 2 power supplies, no slots occupied Approx. 32.0lbs (14.5kg) with 2 power supplies, all slots occupied

EMX1–FR:

Height:	1.75" (45 mm)
Width:	19.0" (483 mm)
Depth:	18.75" (477 mm)
Module Capacity:	2 single slot EMX series modules
Weight:	Approx. 15lbs (6.8kg) with 2 power supplies, no slots occupied Approx. 22.0lbs (10kg) with 2 power supplies, all slots occupied

Ordering Information

EMX6–FR	6RU Processing Multiframe — can contain up to 15 single slot modules in any combination
EMX3–FR	3RU Processing Multiframe — can contain up to 5 single slot modules in any combination
EMX1–FR	1RU Processing Multiframe — can contain up to 2 single slot modules in any combination
EMX–FC	EMX frame controller

Ordering Options

+6PS	Redundant Power Supply for EMX6–FR
+3PS	Redundant Power Supply for EMX3–FR
+PS	Redundant Power Supply for EMX1–FR