



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
<b>SIZE</b>	<ul style="list-style-type: none"> <li>Standard Rack Mountable 19" Wide</li> <li>6RU</li> </ul>	<ul style="list-style-type: none"> <li>Standard Rack Mountable 19" Wide</li> <li>3RU</li> </ul>	<ul style="list-style-type: none"> <li>Standard Rack Mountable 19" Wide</li> <li>1RU</li> </ul>
<b>CAPACITY</b>	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
<b>CONTROL</b>	<ul style="list-style-type: none"> <li>True SNMP</li> <li>VistaLINK® via EMX-FC</li> <li>Optional Controller redundancy</li> </ul>	<ul style="list-style-type: none"> <li>True SNMP</li> <li>VistaLINK® via EMX-FC</li> <li>Optional Controller redundancy</li> </ul>	<ul style="list-style-type: none"> <li>True SNMP</li> <li>VistaLINK® via EMX-FC</li> </ul>
<b>AIR FLOW COOLING</b>	<ul style="list-style-type: none"> <li>Front to Rear Exhaust</li> <li>Front and Rear Mounted Fans</li> </ul>	<ul style="list-style-type: none"> <li>Front to Rear Exhaust</li> <li>Front and Rear Mounted Fans (<b>reduced noise level</b>)</li> </ul>	<ul style="list-style-type: none"> <li>Front to Side Exhaust</li> <li>Front Mounted Fans</li> </ul>
<b>POWER</b>	<ul style="list-style-type: none"> <li>Up to 850 Watts</li> <li>40 watts of power per slot</li> </ul>	<ul style="list-style-type: none"> <li>Up to 450 Watts</li> <li>72 watts of power per slot</li> </ul>	<ul style="list-style-type: none"> <li>Up to 600 Watts</li> <li>240 watts of power per slot</li> </ul>

### 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	600 watts
Max Module Load	480 watts (240 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

##### 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

##### 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

### Ordering Information

<b>EMX6-FR</b>	6RU Processing Multiframe - can contain up to 15 single slot modules in any combination
<b>EMX3-FR</b>	3RU Processing Multiframe - can contain up to 5 single slot modules in any combination
<b>EMX1-FR</b>	1RU Processing Multiframe - can contain up to 2 single slot modules in any combination
<b>EMX-FC</b>	EMX frame controller

#### Ordering Options

<b>+6PS</b>	Redundant Power Supply for EMX6-FR
<b>+3PS</b>	Redundant Power Supply for EMX3-FR
<b>+PS</b>	Redundant Power Supply for EMX1-FR