

# 7800FR, 7800FR-QT, 7800FR-48VDC, 7801FR

## Multiframes



Evertz' award-winning 7800 family of multiframes provides flexibility in the truest form. With simultaneous processing capability of RF, Fiber, ASI, IP, 3G, HD/SD and more, these frames are designed to grow with the rapid changing needs of the facility and are available in a wide variety defined in the chart below.

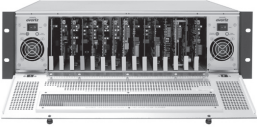
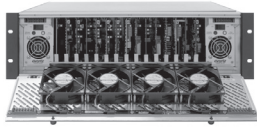

Standard features of all 7800 series multiframes include dual frame genlock providing a stable reference signal across the internal bus to all installed modules that minimizes the cost spent on genlock distribution, global frame status alarming to provide quick alert to operations in the event of a failure, and interchangeable modules between all frames (both processing module and companion rear plate).

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 via a VistaLINK 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.

### Features & Benefits

- 7800FR(-QT) houses up to 15 processing modules in 3RU
- 7801FR houses up to four processing modules in 1RU
- Dual frame genlock for internal reference distribution
- Front extractable modules, power supplies and fans
- AC, DC and Hybrid AC/DC power supply configurations available
- Auto-ranging power supplies operating between 100–240V AC and 36–60V DC
- Backwards compatible with 7800/7700 series modules
- Frame status contact closure alarm in event of failure

### Multiframe Comparison

			
Model	<b>7800FR</b>	<b>7800FR-QT</b> (Low Noise Option)	<b>7801FR</b>
Size	<ul style="list-style-type: none"> <li>• Standard rack mountable 19" W</li> <li>• 3RU</li> </ul>	<ul style="list-style-type: none"> <li>• Standard rack mountable 19" W</li> <li>• 3RU</li> </ul>	<ul style="list-style-type: none"> <li>• Standard rack mountable 19" W</li> <li>• 1RU (uses 3RU rear plates)</li> </ul>
Capacity	<ul style="list-style-type: none"> <li>• Up to 15 single-slot modules in any combination</li> </ul>	<ul style="list-style-type: none"> <li>• Up to 15 single-slot modules in any combination</li> </ul>	<ul style="list-style-type: none"> <li>• Up to 4 single- or 2 dual-slot modules in any combination</li> </ul>
Control	<ul style="list-style-type: none"> <li>• True SNMP</li> <li>• VistaLINK® PRO via 7700FC/7800FC</li> </ul>	<ul style="list-style-type: none"> <li>• True SNMP</li> <li>• VistaLINK® PRO via 7700FC/7800FC</li> </ul>	<ul style="list-style-type: none"> <li>• True SNMP</li> <li>• VistaLINK® PRO via 7801FC</li> </ul>
Air Flow Cooling	<ul style="list-style-type: none"> <li>• Front to rear exhaust</li> <li>• Rear-mounted fans</li> </ul>	<ul style="list-style-type: none"> <li>• Front to rear exhaust</li> <li>• Front- and rear-mounted fans (reduced noise level)</li> </ul>	<ul style="list-style-type: none"> <li>• Front to side exhaust</li> <li>• Side-mounted fans</li> </ul>
Power	<ul style="list-style-type: none"> <li>• Up to 360W</li> <li>• 24W of power per slot</li> </ul>	<ul style="list-style-type: none"> <li>• Up to 360W</li> <li>• 24W of power per slot</li> </ul>	<ul style="list-style-type: none"> <li>• Up to 125W</li> <li>• 24W of power per slot</li> </ul>
Dimensions	<ul style="list-style-type: none"> <li>• 19" W x 5.25" H x 14.5" D (483mm x 133mm x 368mm)</li> </ul>	<ul style="list-style-type: none"> <li>• 19" W x 5.25" H x 15.75" D (483mm x 133mm x 400mm)</li> </ul>	<ul style="list-style-type: none"> <li>• 19" W x 1.75" H x 16" D (483mm x 45mm x 406mm)</li> </ul>
Weight	<ul style="list-style-type: none"> <li>• 17.4lbs (7.9 kg) empty</li> </ul>	<ul style="list-style-type: none"> <li>• 18.5lbs (8.4 kg) empty</li> </ul>	<ul style="list-style-type: none"> <li>• 10.0 lbs (4.5 kg) empty</li> </ul>

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ROUTERS  
WAN TRANSPORT

# 7800FR, 7800FR-QT, 7800FR-48VDC, 7801FR

## Multiframe



### Specifications

#### Power Supply Configuration:

Single PS: Standard with all frames  
Dual/Redundant PS: Optional

Inlets: Separate inlets per PS

#### Electrical:

Voltage: Auto-ranging  
7800FR (-QT): 100–240V AC, 50/60Hz  
7801FR: 100–240V AC, 50/60Hz  
7800FR-48VDC: 36–60V DC

#### Max. Operating Current:

7800FR (-QT): 4.6A @ 100V/60Hz  
1.85A @ 240V/50Hz  
7801FR: 1.3A @ 100V/60Hz  
0.55A @ 240Hz/50Hz  
7800FR-48VDC: 11A @ 48VDC

#### Max. Power Consumption/

#### Max. Module Load:

7800FR (-QT): 450W / 360W  
7801FR: 125W / 110W  
7800FR-48VDC: 450W / 360W

#### Fuses:

7800FR (-QT): 6.3A, 250V ceramic time delay, 5x20mm 2 per PS  
7801FR: 2.0A, 250V time delay, 5x20mm 1 per PS  
7800FR-48VDC: 12.0A, 250V ceramic time delay, 5x20mm 1 per PS

#### Noise Level:

7800FR: -65dBA  
7800FR-QT: -60dBA  
7801FR: -52dB

#### Common Specifications:

Status Indicators: Power supply status LED  
Local error failure LED

#### Tally Output Connector:

4-pin terminal, relay N/O  
N/C for status/fault

1A, 30V DC maximum  
Safety: CSA Listed, C22.2 No. 60065-03 including Am 1,  
UL 60065-2007,  
IEC 60065-(2001-12)  
7th Edition, Inc Am 1,  
Complies with CE  
low voltage directive  
2006/95/EC;  
CAN/CSA-C22.2  
No. 62368-1:2014,  
ANSI/UL 62368-1:2014+  
A11:2017,  
IEC 62368-1:2014

Complies with FCC  
part 15 class A,  
Complies with EU EMC  
directive 2004/108/EC

EMC: Operating Temp.: 0–40°C  
Humidity: 10–90% non-condensing  
Ventilation: Fan-assisted

#### Genlock:

Number of Inputs: 2 BNC  
Termination: 75Ω internal

### Ordering Information

<b>7800FR</b>	3RU Multiframe Which Holds up to 15 Single Slot Modules with AC Power Supply
<b>7800FR-QT</b>	Quiet Multiframe with Intelligent Front Fan Cooling
<b>7801FR</b>	1RU Multiframe Which Holds up to 4 Single Slot or 2 Dual Slot Modules, Requires Rear Plate Option for Modules
<b>7800FR-48VDC</b>	3RU Multiframe with Frame Genlock & 360W 48VDC Input Power Supplies
<b>7800FR-ACDC</b>	3RU Multiframe with 360W AC and DC Power Supplies, Holds up to 15 Single Slot 7700 or 7800 Series Modules, Includes 1 AC Supply and 1 48VDC Power Supply

### Ordering Options

<b>+78P</b>	Additional Power Supply for 7800FR Frame
<b>+78PQT</b>	Additional Power Supply for 7800FR-QT Frame
<b>+781PS</b>	Redundant Power Supply for 7801FR
<b>+78PDC</b>	Redundant Power Supply for 7800FR-48VDC Frame

### Accessories

<b>7800PS</b>	Additional Power Supply for 7800FR Frame
<b>7800PS-QT</b>	Power Supply for 7800FR-QT
<b>7801PS</b>	Additional power supply for 7801FR
<b>7800PS-48VDC</b>	Additional Power Supply for 7800FR-48VDC Frame
<b>7800RS-15</b>	Rear support kit 15" for 7800 Frame
<b>7700FC</b>	Frame controller for 7700FR-C
<b>7800FC</b>	7700FR and 7800FR VistaLINK® Frame Controller (Includes VLPRO-C VistaLINK® PRO S/W Configuration Tool)
<b>7801FC</b>	Frame Controller for 7801FR
<b>7800FR-QT-KIT2</b>	Quiet Front Fan Retrofit Kit