


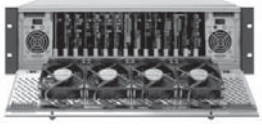

# 7800FR, 7800FR-QT, 7800FR-48VDC, 7801FR

## Multiframes



The award winning Evertz® 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).

	 7800FR	 7800FR-QT (Low Noise Option)	 7801FR
<b>SIZE</b>	• Standard Rack Mountable 19" Wide • 3RU	• Standard Rack Mountable 19" Wide • 3RU	• Standard Rack Mountable 19" Wide • 1RU (Uses 3RU Rear Plates)
<b>CAPACITY</b>	• Up to 15 single slot modules in any combination	• Up to 15 single slot modules in any combination	• Up to 4 single or 2 dual slot modules in any combination
<b>CONTROL</b>	• True SNMP • VistaLINK® via 7700FC/7800FC	• True SNMP • VistaLINK® via 7700FC/7800FC	• True SNMP • VistaLINK® via 7801FC
<b>AIR FLOW COOLING</b>	• Front to Rear Exhaust • Rear Mounted Fans	• Front to Rear Exhaust • Front and Rear Mounted Fans *(reduced noise level)	• Front to Side Exhaust • Side Mounted Fans
<b>POWER</b>	• Up to 360 Watts • 24 watts of power per slot	• Up to 360 Watts • 24 watts of power per slot	• Up to 125 Watts • 24 watts of power per slot

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 100V-240V AC and 36V-60V DC
- Backwards compatible with 7800/7700 series modules
- Frame status contact closure alarm in event of failure

### ► Specifications

<b>Power Supply Configuration:</b>	Standard with all frames	<b>Fuses:</b>	7800FR (-QT): 6.3A, 250V ceramic time delay 5x20mm 2 per power supply	<b>Common Specifications:</b>	Status Indicators: Power supply status LED Local error failure LED
Single PS:	Optional	7801FR:	2.0A, 250V time delay 5x20mm 1 per power supply	Tally Output Connector:	4-pin terminal, relay N/O N/C for status/fault
Dual/Redundant PS:	Separate inlets per PS	7800FR-48VDC:	12.0A, 250V ceramic time delay 5x20mm 1 per power supply	Safety:	IEC 60065-(2001-12) 7th Ed. Inc Am 1 UL 60065-2007
<b>Electrical:</b>	Auto-ranging	<b>Physical Dimensions:</b>	7800FR:	19" W x 5.25" H x 14.5" D (483mm W x 133mm H x 368mm D)	Complies with CE low voltage Directive 2006/95/EC
Voltage:	7800FR (-QT): 100V to 240V AC, 50/60Hz	7800FR-QT:	19" W x 5.25" H x 15.75" D (483mm W x 133mm H x 400mm D)	7801FR:	19" W x 1.75" H x 16" D (483mm W x 45mm H x 406mm D)
7801FR:	100V to 240V AC, 50/60Hz	7800FR-48VDC:	19" W x 5.25" H x 14.5" D (483mm W x 133mm H x 368mm D)	<b>EMC:</b>	Complies with FCC part 15 class A Complies with EU EMC Directive 2004/108/EC
7800FR-48VDC:	36V to 60V DC	<b>Module Capacity:</b>	7800FR (-QT): Up to 15 single slot modules	Operating Temperature:	0 - 40°C
<b>Max Operating Current:</b>	7800FR (-QT): 4.6A @ 100V/60Hz	7801FR:	Up to 4 single slot modules	Humidity:	10-90% non-condensing
7801FR:	1.85A @ 240V/50Hz	7800FR-48VDC:	Up to 15 single slot modules	Ventilation:	Fan assisted
7800FR-48VDC:	1.3A @ 100V/60Hz	<b>Weight:</b>	7800FR:	17.4lbs (7.9kg) empty	<b>Genlock:</b>
7800FR-48VDC:	0.55A @ 240Hz/50Hz	7800FR-QT:	18.5lbs (8.4kg) empty	7801FR:	10.0lbs (4.5kg) empty
7800FR-48VDC:	11A @ 48VDC	7800FR-48VDC:	17.5lbs (7.9kg) empty	7800FR-48VDC:	17.5lbs (7.9kg) empty
<b>Max Power Consumption / Max Module Load:</b>	7800FR (-QT): 450 Watts / 360 Watts			Number of Inputs:	2 BNC
7801FR:	125 Watts / 110 Watts			Termination:	75Ω internal
7800FR-48VDC:	450 Watts / 360 Watts				

### ► Ordering Information

<b>7800FR</b>	3RU Multiframe (holds up to 15 single slot modules with AC power supply)
<b>7800FR-QT</b>	3RU Quiet Multiframe (holds up to 15 single slot modules with AC power supply)
<b>7801FR</b>	1RU Multiframe (holds up to 4 single or 2 dual slot modules with AC power supply)
<b>7800FR-48VDC</b>	3RU Multiframe (holds up to 15 single slot modules with 48V DC power supply)
<b>7800FR-ACDC</b>	3RU Multiframe (holds up to 15 single slot modules with AC and 48V DC power supply)

**+781PS** Redundant power supply for 7801FR  
**+78PDC** Redundant power supply for 7800FR-48VDC

**Accessories**  
**7800PS** Additional power supply for 7800FR  
**7800PS-QT** Additional power supply for 7800FR-QT  
**7801PS** Additional power supply for 7801FR  
**7800PS-48VDC** Additional power supply for 7800FR-48VDC  
**7800RS-15** Rear 15" support kit for 3RU 7800 series frames  
**7700FC/7800FC** VistaLINK Frame Controller for 3RU 7800 series frames  
**7801FC** VistaLINK Frame Controller for 1RU 7800 series frames  
**7800FR-QT-KIT1** Kit to convert 7800FR with single power supply to 7800FR-QT  
**7800FR-QT-KIT2** Kit to convert 7800FR with dual power supply to 7800FR-QT

### Ordering Options

**+78P** Redundant power supply for 7800FR  
**+78PQT** Redundant power supply for 7800FR-QT

Additional power supply for 7800FR  
Additional power supply for 7800FR-QT  
Additional power supply for 7801FR  
Additional power supply for 7800FR-48VDC  
Rear 15" support kit for 3RU 7800 series frames  
VistaLINK Frame Controller for 3RU 7800 series frames  
VistaLINK Frame Controller for 1RU 7800 series frames  
Kit to convert 7800FR with single power supply to 7800FR-QT  
Kit to convert 7800FR with dual power supply to 7800FR-QT