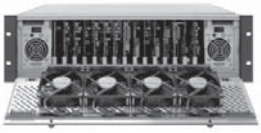
7800FR, 7800FR-QT, 7800FR-48VDC, 7801FR

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**
SIZE	• Standard Rack Mountable 19" Wide • 3RU	• Standard Rack Mountable 19" Wide • 3RU	• Standard Rack Mountable 19" Wide • 1RU (Uses 3RU Rear Plates)
CAPACITY	• 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
CONTROL	• True SNMP • VistaLINK® via 7700FC/7800FC	• True SNMP • VistaLINK® via 7700FC/7800FC	• True SNMP • VistaLINK® via 7801FC
AIR FLOW COOLING	• 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
POWER	• 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

Power Supply Configuration:

Single PS:	Standard with all frames
Dual/Redundant PS:	Optional
Inlets:	Separate inlets per PS

Electrical:

Voltage:	Auto-ranging
7800FR (-QT):	100V to 240V AC, 50/60Hz
7801FR:	100V to 240V AC, 50/60Hz
7800FR-48VDC:	36V to 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):	450 Watts / 360 Watts
7801FR:	125 Watts / 110 Watts
7800FR-48VDC:	450 Watts / 360 Watts

Fuses:

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

Physical Dimensions:

7800FR:	19" W x 5.25" H x 14.5" D (483mm W x 133mm H x 368mm D)
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)
7800FR-48VDC:	19" W x 5.25" H x 14.5" D (483mm W x 133mm H x 368mm D)

Module Capacity:

7800FR (-QT):	Up to 15 single slot modules
7801FR:	Up to 4 single slot modules
7800FR-48VDC:	Up to 15 single slot modules

Weight:

7800FR:	17.4lbs (7.9kg) empty
7800FR-QT:	18.5lbs (8.4kg) empty
7801FR:	10.0lbs (4.5kg) empty
7800FR-48VDC:	17.5lbs (7.9kg) empty

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 incl. Am 1 UL 60065-2007 IEC 60065-(2001-12) 7th Ed. Inc Am 1 Complies with CE low voltage Directive 2006/95/EC
EMC:	Complies with FCC part 15 class A Complies with EU EMC Directive 2004/108/EC
Operating Temperature:	0 - 40°C
Humidity:	10-90% non-condensing
Ventilation:	Fan assisted

Genlock:

Number of Inputs:	2 BNC
Termination:	75Ω internal

Ordering Information

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

Ordering Options

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

The award winning Evertz 7800 family of multiframes provide 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 to defined below.

Standard features of all 7800 series multiframes include dual frame genlock providing stable reference signal across the internal bus to all installed modules which 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
SIZE	• Standard Rack Mountable 19" Wide • 3RU	• Standard Rack Mountable 19" Wide • 3RU	• Standard Rack Mountable 19" Wide • 1RU(Uses 3RU Rear Plates)
CAPACITY	• 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
CONTROL	• True SNMP • VistaLINK® via 7700FC	• True SNMP • VistaLINK® via 7700FC	• True SNMP • VistaLINK® via 7801FC
AIR FLOW COOLING	• 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
POWER	• 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 4 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 contact closure alarm in event of failure

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): 100V to 240V AC, 50/60Hz
7801FR: 100V to 240V AC, 50/60Hz
7800FR-48VDC: 36V to 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): 450 Watts / 360 Watts
7801FR: 125 Watts / 110 Watts
7800FR-48VDC: 450 Watts / 360 Watts

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

Physical Dimensions:
7800FR 19"W x 5.25"H x 14.5"D
(483mmW x 133mmH x 368mmD)
7800FR-QT: 19"W x 5.25"H x 15.75"D
(483mmW x 133mmH x 400mmD)
7801FR: 19"W x 1.75"H x 16"D
(483mmW x 45mmH x 406mmD)
7800FR-48VDC: 19"W x 5.25"H x 14.5"D
(483mmW x 133mmH x 368mmD)

Module Capacity:
7800FR (-QT): Up to 15 single slot modules
7801FR: Up to 4 single slot modules
7800FR-48VDC: Up to 15 single slot modules

Weight:
7800FR: 17.4lbs (7.9kg) empty
7800FR-QT: 18.5lbs (8.4kg) empty
7801FR: 10.0lbs (4.5kg) empty
7800FR-48VDC: 17.5lbs (7.9kg) empty

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 incl. Am 1
UL 60065-2007
IEC 60065-(2001-12) 7th Ed. Inc Am 1
Complies with CE low voltage
Directive 2006/95/EC
EMC: Complies with FCC part 15 class A
Complies with EU EMC
Directive 2004/108/EC
Temperature: 0 - 40°C

Genlock:
Number of Inputs: 2 BNC
Termination: 75Ω internal

Ordering Information

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

Ordering Options:

+78P	Redundant power supply for 7800FR
+78PQT	Redundant power supply for 7800FR-QT
+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	VistaLINK Frame Controller for 3RU 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

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

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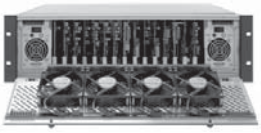
	7800FR	 **7800FR-QT (Low Noise Option)**	**7801FR**
SIZE	• Standard Rack Mountable 19" Wide • 3RU	• Standard Rack Mountable 19" Wide • 3RU	• Standard Rack Mountable 19" Wide • 1RU (Uses 3RU Rear Plates)
CAPACITY	• Up to 15 single slot modules in any combination	• Up to 15 single slot modules in any combination	• Up to 4 single or 2 dual slot modules in any combination
CONTROL	• True SNMP • VistaLINK® via 7700FC/7800FC	• True SNMP • VistaLINK® via 7700FC/7800FC	• True SNMP • VistaLINK® via 7801FC
AIR FLOW COOLING	• 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
POWER	• 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

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- 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

Power Supply Configuration:

Single PS:	Standard with all frames
Dual/Redundant PS:	Optional
Inlets:	Separate inlets per PS

Electrical:

Voltage:	Auto-ranging
7800FR (-QT):	100V to 240V AC, 50/60Hz
7801FR:	100V to 240V AC, 50/60Hz
7800FR-48VDC:	36V to 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):	450 Watts / 360 Watts
7801FR:	125 Watts / 110 Watts
7800FR-48VDC:	450 Watts / 360 Watts

Fuses:

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

Physical Dimensions:

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Module Capacity:

7800FR (-QT):	Up to 15 single slot modules
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7800FR-48VDC:	Up to 15 single slot modules

Weight:

7800FR:	17.4lbs (7.9kg) empty
7800FR-QT:	18.5lbs (8.4kg) empty
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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 incl. Am 1 UL 60065-2007 IEC 60065-(2001-12) 7th Ed. Inc Am 1 Complies with CE low voltage Directive 2006/95/EC
EMC:	Complies with FCC part 15 class A Complies with EU EMC Directive 2004/108/EC
Temperature:	0 - 40°C

Genlock:

Number of Inputs:	2 BNC
Termination:	75Ω internal

Ordering Information

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

Ordering Options

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