

# Evertz Multiframes - 7700 Series

## Model 7700FR-C, 7701FR or S7701FR



**7700FR-C**



**7701FR**



**S7701FR**

The Evertz 7700FR-C, 7701FR & S7701FR Multiframes are ideal solutions to today's vast digital video and audio processing and distribution requirements. They provide flexibility to handle the high-speed requirements of HDTV as well as Analog and SDTV. The Multiframes support extraction of the modules from the front without compromising performance even at 1.5Gb/s. Hot extraction is supported on various types of interfaces including VIDEO, AUDIO and FIBER.

The 7700FR-C Multiframes are 3RU frames designed to house up to 15 single slot modules, the 7701FR Multiframe is a 1RU frame designed to house up to 3 single or dual slot modules both in various combinations and configurations and the S7701FR Multiframe is a single frame designed to house 1 single slot module or dual slot module.

## Features

- Power supply and cooling fan are front extractable
- Houses up to 15 front loading processing modules with I/O for the 7700FR-C and 3 for the 7701FR
- Each slot has individually configurable inputs and outputs
- Monitoring window for verifying modules status and power supply status
- 7700FR-C can house a 7700FC VistaLINK™ Frame Controller in slot 1 which will allow for remote control and monitoring of VistaLINK™ - enabled products via SNMP over TCP/IP
- Frame status contact closure/open on power supply failure, fan failures and user selectable module alarms
- A relay based contact closure is provided with common, ground, normally open and normally closed contacts
- High-speed bussing and control system provided for modular applications
- No recabling required when hot swapping modules
- Optional redundant power supply for the 3RU 7700FR-C and 1RU 7701FR
- 7700FR-C may be ordered with 48VDC power supplies

### Single Module Standalone Enclosure:

- Portable
- Powered by an external 12V DC adapter (included)
- Supports both single slot and dual slot modules

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## Specifications

### Electrical :

#### Power Supply Configuration:

<b>7700FR-C:</b>	Dual, redundant, separate AC inlets
<b>7700FR-C-48VDC:</b>	Dual, redundant, separate DC inlets on terminal strips
<b>7701FR:</b>	Standard single, optional external redundant
<b>S7701FR:</b>	External power supply adapter

#### Voltage:

<b>7700FR-C:</b>	Auto ranging, 100 to 240 VAC, 50/60 Hz
<b>7700FR-C-48VDC:</b>	36V to 60VDC
<b>7701FR:</b>	Auto ranging, 100 to 240 VAC, 50/60 Hz
<b>S7701FR:</b>	12VDC Nominal Auto ranging, 100 to 240VAC power adapter included

#### Maximum Power Dissipation:

<b>7700FR-C:</b>	200 W
<b>7700FR-C-48VDC:</b>	200 W
<b>7701FR:</b>	75 W
<b>S7701FR:</b>	25 W

#### Fuses:

<b>7700FR-C:</b>	4 amp, 250 Volt time delay 5x20mm - line and neutral
<b>7700FR-C-48VDC:</b>	10 amp, 250 Volt time delay 5x20mm
<b>7701FR:</b>	2 amp, 250 Volt time delay 5x20mm - line and neutral
<b>S7701FR:</b>	Internal self resetting fuse

#### Connectors:

<b>7700FR-C:</b>	IEC 60320
<b>7700FR-C-48VDC:</b>	3 position terminal strip
<b>7701FR:</b>	IEC 60320
<b>S7701FR:</b>	2.5 mm DC power jack

### Certification:

<b>Safety:</b>	ETL Listed Complies with EU Safety Directive
<b>EMC:</b>	Complies with FCC part 15, Class A Complies with EU EMC Directives

#### Front Panel Indicators:

PSU status LED, Local Error/Failure

#### Tally Output:

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

### Physical:

#### Dimensions:

<b>7700FR-C:</b>	19"W x 5.25"H x 14.5"D (483mm W x 133mm H x 368mm D)
<b>7700FR-C-48VDC:</b>	19"W x 5.25"H x 14.5"D (483mm W x 133mm H x 368mm D)
<b>7701FR:</b>	19"W x 1.75"H x 14.5"D (483mm W x 45mm H x 368mm D)
<b>S7701FR:</b>	4.5"W x 1.9"H x 13"D (114mm W x 48mm H x 330mm D)

#### Temperature:

0-40°C optimal performance  
0-50°C operating

#### Module Capacity:

<b>7700FR-C:</b>	15 single slot modules
<b>7700FR-C-48VDC:</b>	15 single slot modules
<b>7701FR:</b>	3 single or dual slot modules
<b>S7701FR:</b>	1 single or dual slot module

#### Weight:

<b>7700FR-C:</b>	32 lbs. (14.5 Kg) (Full) 17.4 lbs (8 Kg) (Empty)
<b>7700FR-C-48VDC:</b>	32 lbs. (14.5 Kg) (Full) 17.4 lbs (8 Kg) (Empty)
<b>7701FR:</b>	10 lbs. (14.5 Kg) (Full) 7 lbs. (3.1 Kg) (Empty)
<b>S7701FR:</b>	1.3 lbs. (.58 Kg)

### Ordering Information:

<b>7700FR-C</b>	3RU Multiframe which holds up to 15 single slot modules with AC power supply
<b>7700FR-CR</b>	3RU Multiframe which holds up to 15 single slot modules without power supply
<b>7700FR-C-48VDC</b>	3RU Multiframe which holds up to 15 single slot modules with 48DC power supply
<b>7700PS</b>	Redundant power supply for 7700FR-C
<b>7700PS-48VDC</b>	Redundant power supply for 7700FR-C-48VDC
<b>7701FR</b>	1RU Multiframe which holds up to 3 single or dual slot modules
<b>7701PSX</b>	External redundant power supply for 7701FR
<b>7701PS</b>	Internal power supply for 7701FR (replacement or spare orders only)
<b>S7701FR</b>	Standalone frame which holds 1 single slot or 1 dual slot module with power supply (Must order +SA for rear plate separately)

**Note:** Some 7700 series modules cannot be accommodated in the standalone enclosure. See individual product brochure or contact factory.