

Evertz Multiframes - 7700 Series

Model 7700FR-C, 7701FR or S7701FR



7700FR-C



7701FR



S7701FR (with rackmount tray)

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
- Optional rack mount panel mounts 3 S7701FR enclosures in 1RU rack space

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Specifications

Electrical :

Power Supply Configuration:

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

Voltage:

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

Maximum Power Dissipation:

- 7700FR-C:** 200 W
7700FR-C-48VDC: 200 W
7701FR: 80 W
S7701FR: 30 W

Fuses:

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

Connectors:

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

Certification:

- Safety:** ETL Listed
Complies with EU Safety Directive
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:

- 7700FR-C:** 19"W x 5.25"H x 14.5"D
(483mm W x 133mm H x 368mm D)
7700FR-C-48VDC: 19"W x 5.25"H x 14.5"D
(483mm W x 133mm H x 368mm D)
7701FR: 19"W x 1.75"H x 14.5"D
(483mm W x 45mm H x 368mm D)
S7701FR: 5"W x 1.75"H x 14.5"D
127mm W x 45mm h x 368mm D

Temperature:

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

Module Capacity:

- 7700FR-C:** 15 single slot modules
7700FR-C-48VDC: 15 single slot modules
7701FR: 3 single or dual slot modules
S7701FR: 1 single or dual slot module

Weight:

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

Ordering Information:

7700FR-C	3RU Multiframe which holds up to 15 single slot modules with AC power supply
7700FR-CR	3RU Multiframe which holds up to 15 single slot modules without power supply
7700FR-C-48VDC	3RU Multiframe which holds up to 15 single slot modules with 48DC power supply
7701FR	1RU Multiframe which holds up to 3 single or dual slot modules
S7701FR	Standalone frame which holds 1 single slot or 1 dual slot module with power supply (Must order +SA for rear plate separately)

Ordering Options and Accessories:

For 7700FR-C & 7700FR-C-48-VDC Frames:

- +7PS** Redundant power supply for 7700FR-C
7700PS Additional power supply for 7700FR
+48PS Redundant power supply for 7700FR-C-48VDC
7700PS-48VDC Additional power supply for 7700FR-C-48VDC

For 7701FR Frame:

- +PSX** Optional external redundant power supply for 7701FR when ordered with frame
7701PSX Optional external power supply for 7701FR for existing hardware
7701PS Internal power supply for 7701FR (replacement or spare orders only)

For S7701FR Frame:

- S7701P** Rear connector plate for Standalone frame (price applies when ordered separately; discounted when ordered with module)
S7701FR-RP Rackmount panel mounts 3 S7701FR enclosures in 1RU rack space

Note: Some 7700 series modules cannot be accommodated in the 1RU standalone enclosure. See individual product brochure or contact factory.