

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 |
| EMC: | 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:

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|-------------------|--|
| 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.