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7700FR-C

7701FR

The 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.

S7701FR with Rackmount Tray

▸Features & Benefits

• 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® -capable products via SNMP over TCP/IP
• Frame status contact closure/open on power supply failure, fan failures and user-selectable module alarms
• High-speed bussing and control system provided for modular applications

• A relay based contact closure is provided with common, ground, normally open and normally closed contacts
• 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 48V DC 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

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

Maximum Operating Current:
7700FR-C: 2.9A (@120V AC), 1.8A (@240V AC)
7700FR-C-48VDC: 5.2A (@48V DC)

Maximum Power Consumption:
7700FR: 250W
7700FR-C-48VDC: 250W
7701FR: 100W
S7701FR: 36W

Maximum Module Load:
7700FR: 200W (13.3W per slot)
7700FR-C48VDC: 200W (13.3W per slot)
7701FR: 80W (26W per slot)

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

Certification:
Safety: CSA 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

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: 32lbs (14.5kg) Full 17.4lbs (8kg) Empty
7700FR-C-48VDC: 32lbs (14.5kg) Full 17.4lbs (8kg) Empty
7701FR: 10lbs (4.5kg) Full 7lbs (3.1kg) Empty
S7701FR: 1.3lbs (.58kg)

▸▸▸Ordering Information

350FR	3RU Portable Multiframe which holds up to 7 single slot modules
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
S7702FR	Standalone frame which holds 1-3 slot module with power supply

Ordering Options and Accessories for 7700FR-C & 7700FR-C-48-VDC Frames
+7PS   Redundant power supply for 7700FR-C
+48PS   Redundant power supply for 7700FR-C-48V DC
7700PS   Additional power supply for 7700FR

7700PS-48VDC   Additional power supply for 7700FR-C-48V DC
7700RS-15   Rear support kit 15" for 7700 Frame
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 3XS7701FR 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.