7800FR, 7701FR, S7701FR & S7702FR
7700 & 7701 Series Multiframes

7800FR

7701FR

S7701FR with Rackmount Tray

The 7800FR, 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 3Gb/s. Hot extraction is supported on various types of interfaces including VIDEO, AUDIO and FIBER.

The 7800FR Multiframe is a 3RU frame 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. The S7701FR Multiframe is a standalone enclosure designed to house 1 single slot module or dual slot module. The S7702FR Multiframe is a standalone enclosure design to house 1 module (up to 3 slots).

▶Features & Benefits

• Power supply and cooling fan are front extractable
• Houses up to 15 front loading processing modules with I/O for the 7800FR and 3 for the 7701FR
• Each slot has individually configurable inputs and outputs
• Monitoring window for verifying modules status and power supply status
• 7800FR 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
• 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 7800FR and 1RU 7701FR
• Dual global frame genlock inputs on 7800FR

Single Module Standalone Enclosures
• Portable
• Powered by an external 12V DC adapter (included)
• S7701FR supports both single slot and dual slot modules
• S7702FR supports single, dual or triple slot modules
• Optional rack mount panel mounts 3 S7701FR enclosures in 1RU rack space

▶Specifications

Electrical:

Power Supply Configuration:
7800FR:	Standard single, optional dual, redundant, separate AC inlets
7701FR:	Standard single, optional external redundant
S7701FR:	External power supply adapter
S7702FR:	External power supply adapter

Voltage:
7800FR:	Auto ranging, 100 to 240V AC, 50/60Hz
7701FR:	Auto ranging, 100 to 240V AC, 50/60Hz
S7701FR:	12V DC Nominal Auto ranging, 100 to 240V AC power adapter included
S7702FR:	12V DC Nominal Auto ranging, 100 to 240V AC power adapter included

Maximum Operating Current:
7800FR:	4.3 (@120V AC), 2.2 (@240V AC)
7701FR:	1.5A (@120V AC), 0.8A (@240V AC)

Maximum Power Consumption:
7800FR:	450W
7701FR:	100W
S7701FR:	36W
S7702FR:	50W

Maximum Module Load:
7800FR:	360W (24W per slot)
7701FR:	80W (26W per slot)
S7701FR:	26W
S7702FR:	40W

Fuses:
7800FR:	6.3 amp, 250V time delay 5x20mm - line and neutral
7701FR:	2 amp, 250V time delay 5x20mm - line and neutral
S7701FR:	Internal self resetting fuse
S7702FR:	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

Status Indicators (7800FR & 7701FR only):
Front Panel	PSU status LED, Local Error/Failure LED
Tally Output:	4-pin terminal, relay N/O, N/C for status/fault alarm

Physical:

Dimensions:
7800FR:	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)
S7702FR:	5.6"W x 2.6"H x 14.5"D (142mm W x 66mm H x 368mm D)
Temperature:	0-40°C

Module Capacity:
7800FR:	15 single slot modules
7701FR:	3 single or dual slot modules
S7701FR:	1 single or dual slot module
S7702FR:	1 single, dual or triple slot module

Weight:
7800FR:	32lbs (14.5kg) Full 17.4lbs (8kg) Empty
7701FR:	10lbs (4.5kg) Full 7lbs (3.1kg) Empty
S7701FR:	1.3lbs (.58kg)
S7702FR:	1.5lbs (.68kg)

▶Ordering Information

7800FR	3RU Multiframe which holds up to 15 single slot modules with AC power supply
7800FR-Q	3RU Multiframe with global reference inputs - side cooling which holds up to 15 single slot modules with AC 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 single, dual or triple slot with power supply

Ordering Options
+78P	Redundant power supply for 7800FR

+PSX	Optional external redundant power supply for 7701FR when ordered with frame

Accessories:
7800PS	Additional power supply for 7800FR
7800RS-15	Rear support kit 15" for 7800 Frame
7701PSX	Optional external power supply for 7701FR for existing hardware
7701PS	Internal power supply for 7701FR (replacement or spare orders only)
S7701P	Rear connector plate for S7701FR 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 and 7800 series modules cannot be accomodated in the 7701FR or standalone enclosures. See individual product brochure or contact factory