

500FR & S501FR

Compact High Density Distribution Frame



Note: The above image shows 3 of the S501FR standalone Compact High Density Distribution Frames mounted into the S501FR-RP Rackmount panel S501FR

Specifications

Electrical (500FR):

AC Mains Input: Auto ranging, 100 to 240V AC, 50/60Hz
 Max. Operating Current: 2.6 A (@ 120V AC), 1.4 A (@ 240V AC)

Max. Power Consumption: 200W
 Max. Module Load: 160W (10W per slot)

Power Supply Configuration:

Connector: Dual, redundant, separate AC inlets
 IEC 60320 - 1 per power supply
 Fuses: 4 amp, 250 volt time delay 5x20 mm.

Safety: - 2 per power supply
 CSA Listed to CSA C22.2 No. 60065-03,
 UL 60065-03

EMC: IEC 60065-(2001-12) 7th Edition
 Complies with CE Low voltage
 Directive 93/68/EEC
 Complies with FCC part 15, class A
 Complies with EU EMC directive
 89/336/EEC

Electrical (S501FR):

Voltage: 12V DC Nominal
 Auto ranging, 100 to 240V AC power
 adapter

Power Consumption: 10W max
 Fuse: Internal self resetting fuse
 Connector: 2.5mm DC power jack

Physical (500FR):

Height: 5.25" (133mm)
 Width: 19" (483mm)
 Depth: 9.5" (368mm)
 Module Capacity: 16 slots
 Weight: Approx 17lbs (7.7kg) with 2 power
 supplies, no slots occupied
 Approx. 32lbs (14.5kg) with 2
 power supplies all slots occupied

Physical (S501FR):

Dimensions: 4.9"W x 1.2"H x 10.5"D
 (124mm W x 30mm H x 267mm D)
 Module Capacity: 1 single slot
 Weight: 1lb (.45kg)

Certification:

Safety: CSA Listed (500FR)
 Power adapter CSA listed (S501FR)
 Complies with CE Safety Directive
 Complies with FCC part 15, Class A
 EU EMC Directive

EMC: **Signal Connections:** BNC per IEC 60169-8 Amendment 2
 (10 per slot)

Status Indicators: PSU status LED,
 Local Error/Failure LED

Tally Output Connector:
 4-pin terminal, relay N/O,
 N/C for status/fault alarm
 2A, 125VDC max

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

Ordering Information

500FR Compact High Density Distribution Frame

Accessories **exponent**
+5PS Redundant power supply option for 500FR

S501FR Standalone Compact High Density Distribution Frame

Accessories **exponent**
S501FR-RP Rackmount panel mounts 3
 S501FR enclosures in 1RU rack space Includes two blank
 panels for unfilled slots)

An Industry Comparison

Based on 6RU of Rack Space

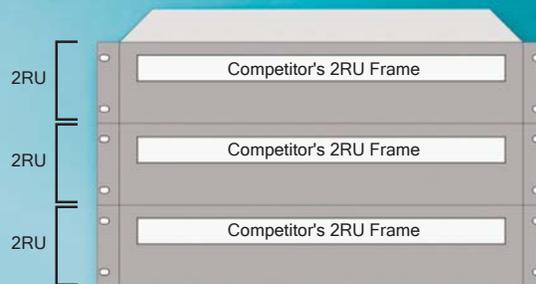
Most Dense Available

Evertz **exponent** DA Frame



Total Number of Output BNCs per 6RU = 288

Competitor's DA Frame



Total Number of Output BNCs per 6RU = 240-270

Notes:

- **exponent** achieves the highest density with 288 BNC outputs (per 6RU)
- **exponent** uses less power supplies thus less points of failure (per 6RU)

- **exponent** provides a direct connection to an SNMP network. Some competitive pseudo SNMP solutions require intermediate application servers or protocol translators which add latency, single point of failure issues, cost, and complexity.