

500FR-L-A, 500FR-L-D

Compact High Density Analog & Digital Looping Distribution Frame

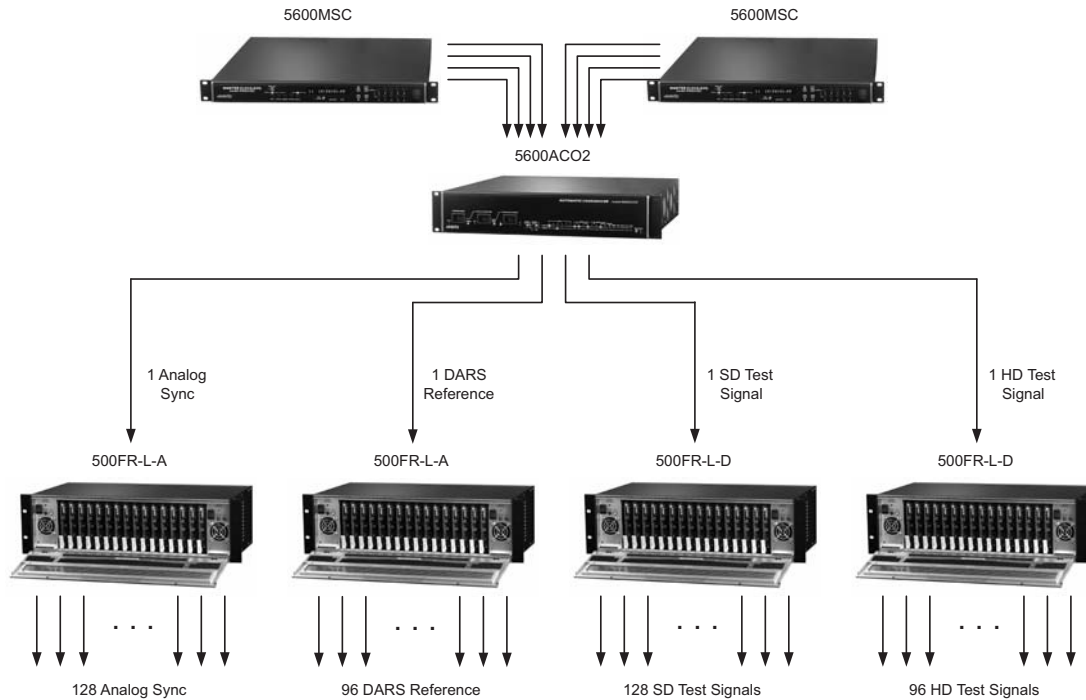
The 500FR-L-A & 500FR-L-D expand on Evertz current exponent family of Compact High Density Distribution Frames. The 500FR-L-A maintains the ability to provide high-density distribution of analog signals while the 500FR-L-D maintains the ability to provide high-density distribution of digital signals. They also provide the ability to loop a single analog or digital input source through multiple slots on the same frame.

The 500FR-L-A allows for the looping of up to 16 (Analog) loop thru modules. The 500FR-L-D allows for the looping of up to 16 (SD SDI) 500DA-L modules or up to 12 (HD) 500DA-HD-L modules. Both frames also allow for the hot swapping of modules from the front without any impact on the input signal to the remaining modules in the frame.

►Typical Application

The typical application for the Loop Thru frames are in a broadcast plant or mobile production units, where distribution of reference and test signals from a single timed source is critical.

The complete Evertz Master Clock SPG solution allows for minimal impact of potential module failures and provides maximum reliability.



►Specifications

Electrical:

AC Mains Input: Auto ranging, 100 to 240V AC, 50/60Hz
Maximum 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
Fuses: IEC 60320 - 1 per power supply
- 4 amp, 250 volt time delay 5x20 mm.
- 2 per power supply
Safety: CSA Listed to CSA C22.2 No. 60065-03, UL 60065-03
IEC 60065-(2001-12) 7th Edition
Complies with CE Low voltage Directive 93/68/EEC
EMC: Complies with FCC part 15, class A.
Complies with EU EMC directive 89/336/EEC

Physical:

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

Certification:

Safety: CSA Listed
Complies with CE Safety Directive
EMC: Complies with FCC part 15, Class A
EU EMC Directive

Signal Connections: BNC Per IEC 61169-8 Annex A (10 BNC 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, 125 VDC max

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

►Ordering Information

500FR-L-A Compact High Density Distribution Frame with Loop Thru (Analog)
500FR-L-D Compact High Density Distribution Frame with Loop Thru (Digital)

Accessories
+5PS

exponent
Redundant power supply option for 500FR

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Compact Modular - 300, 400 & 500 Series