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

Compact High Density Analog & Digital Looping Distribution Frame

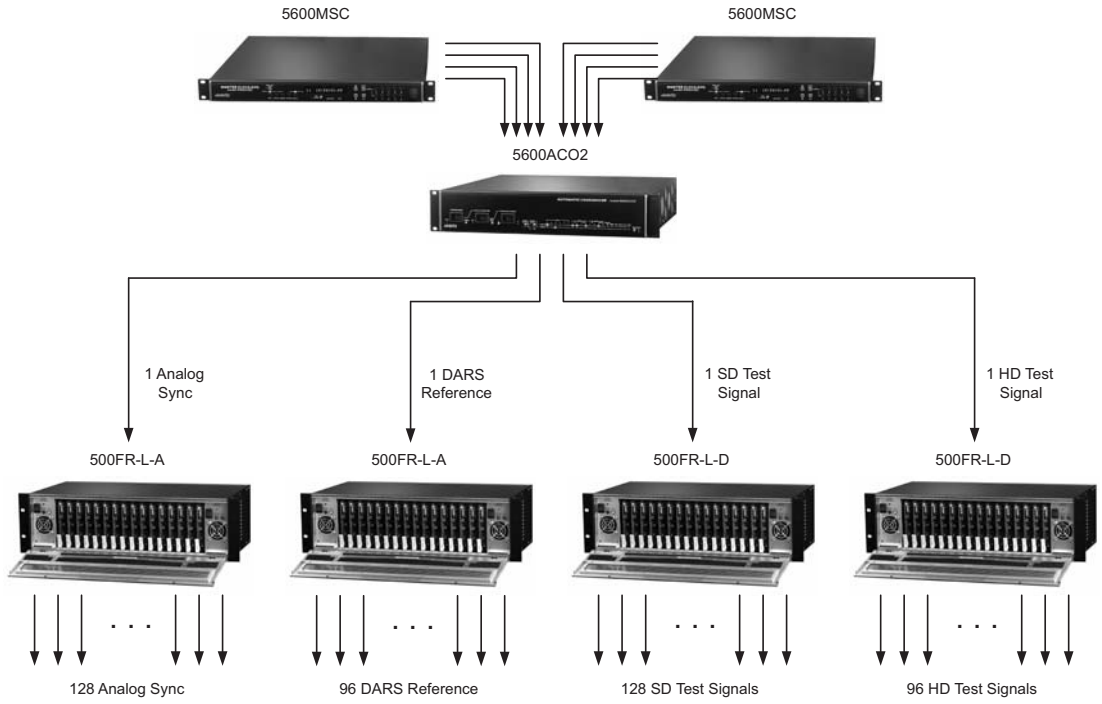
The 500FR-L-A & 500FR-L-D expand on Evertz current exponent family of Compact High Density Distribution Frames. The 500FR-L-A maintains the ability to provide high-density distribution of analog signals while the 500FR-L-D maintains the ability to provide high-density distribution of digital signals. 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: Dual, redundant, separate AC inlets
Connector: IEC 60320 - 1 per power supply
Fuses: 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