

7700DA-DS3

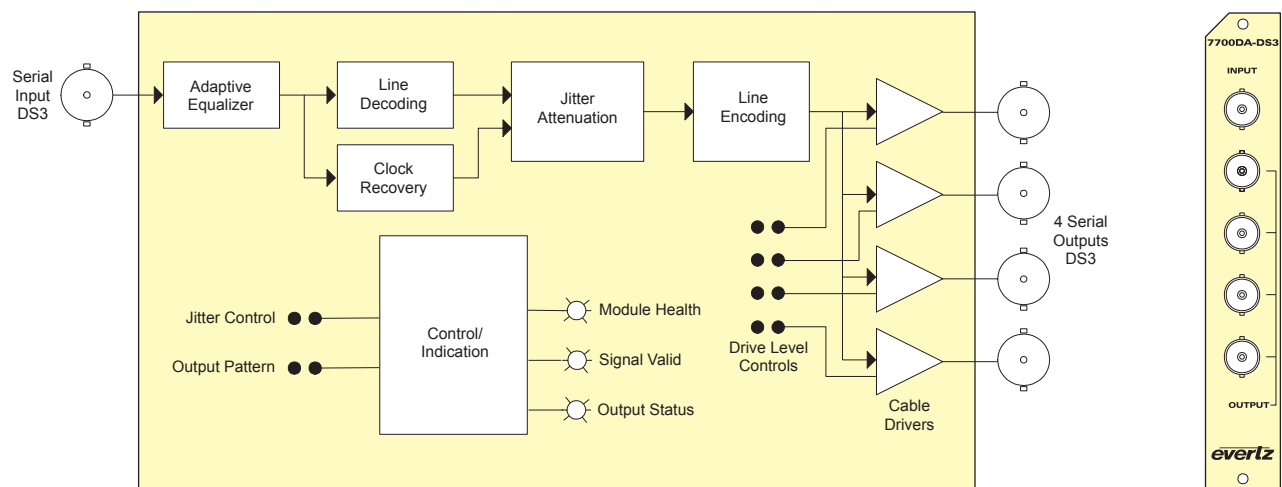
DS3 Distribution Amplifier

The 7700DA-DS3 Distribution Amplifier provides automatic coaxial cable equalization, reclocking and signal distribution of DS3 (44.736Mb/s), signals. The 7700DA-DS3 accepts a B3ZS-encoded Alternate Mark Inversion (AMI) input signal and provides four reclocked outputs.

The 7700DA-DS3 occupies one card slot and can be housed in either a 1RU frame that will hold up to three modules or a 3RU frame that will hold up to 15 modules.

Features & Benefits

- Supports DS3 (44.736Mb/s)
- Accepts B3ZS-encoded AMI input signals
- Automatic cable equalization for up to 1000ft of high quality 75Ω cable
- Signal reclocking and optional jitter attenuator
- Output wave shaping for DS3 standards compliance
- High/Low output amplitude setting for long/short cable lengths
- Loss of signal (LOS) detection/indication
- Outputs 1's pattern generation upon loss of input signal
- Electrical output drive level control for enhanced distance
- Transformer coupled inputs/outputs
- Input/output transient protection



Specifications

Inputs:		Outputs:		Electrical:	
Standard:	DS3 (44.7346Mb/s)	Number of Outputs:	4 per card reclocked	Voltage:	+12V DC
Number of Inputs:	1	Connector:	BNC per IEC 60169-8 Amendment 2	Power:	6W
Connector:	Isolated BNC per IEC 60169-8 Amendment 2	Waveform:	Conforms to G.703 compliant masks	EMI/RFI:	Complies with FCC Part 15, Class A
Equalization:	Automatic to 300m with Belden 8281 or equivalent cable	Return Loss:	> 18dB up to 44Mb/s		Complies with EU EMC Directive
Return Loss:	>20dB up to 44Mb/s	Physical:			
		Number of Slots:			
		1			

Ordering Information:

7700DA-DS3	DS3 Distribution Amplifier	Enclosures	
Ordering Options		7700FR-C	3RU Multiframe which holds up to 15 single slot modules
Rear Plate must be specified at time of order		7701FR	1RU Multiframe which holds up to 3 single or dual slot modules
Eg: Model +3RU		S7701FR	Standalone enclosure
Rear Plate Suffix			
+3RU	3RU Rear Plate for use with 7700FR-C Multiframe		
+1RU	1RU Rear Plate for use with 7701FR Multiframe		
+SA	Standalone Enclosure Rear Plate		