

DS3 Distribution Amplifier

7700DA-DS3

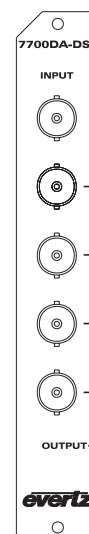
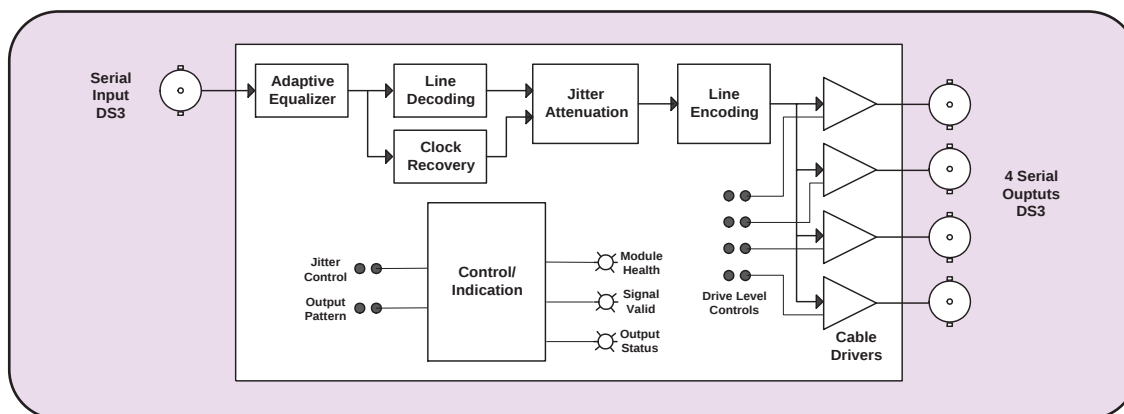
The 7700DA-DS3 Distribution Amplifier provides automatic coaxial cable equalization, reclocking and signal distribution of DS3 (44.736 Mb/s), signals. The 7700DA-DS3 accepts a B3ZS-encoded Alternate Market Inversion (AMI) input signal and provides four reclocked outputs.

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

- Supports DS3 (44.736 Mb/s)
- Accepts B3ZS 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

7700DA-DS3 Block Diagram



Specifications

Inputs:

Standard:	DS3 (44.7346 Mb/s)
Number of Inputs:	1
Connector:	Isolated BNC input per IEC 169-8r
Equalization:	Automatic to 300m with Belden 8281 or equivalent cable
Return Loss:	> 20 dB up to 44 Mb/s

Outputs:

Number of Outputs:	4 Per Card Reclocked
Connector:	BNC per IEC 169-8
Waveform:	Conforms to G.703 compliant masks
Return Loss:	> 18 dB up to 44 Mb/s

Physical:

Number of Slots:	1
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Electrical:

Voltage:	+12VDC
Power:	6 Watts
EMI/RFI:	Complies with FCC Part 15 Class A Complies with EU EMC Directive

Ordering Information:

7700DA-DS3	DS3 Distribution Amplifier
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Ordering Options

Rear Plate must be specified at time of order
Eg: Model + 3RU

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

Enclosures:

7700FR-C	3RU Multiframe which holds 15 modules
7701FR	1RU Multiframe which holds 3 modules
S7701FR	Standalone enclosure