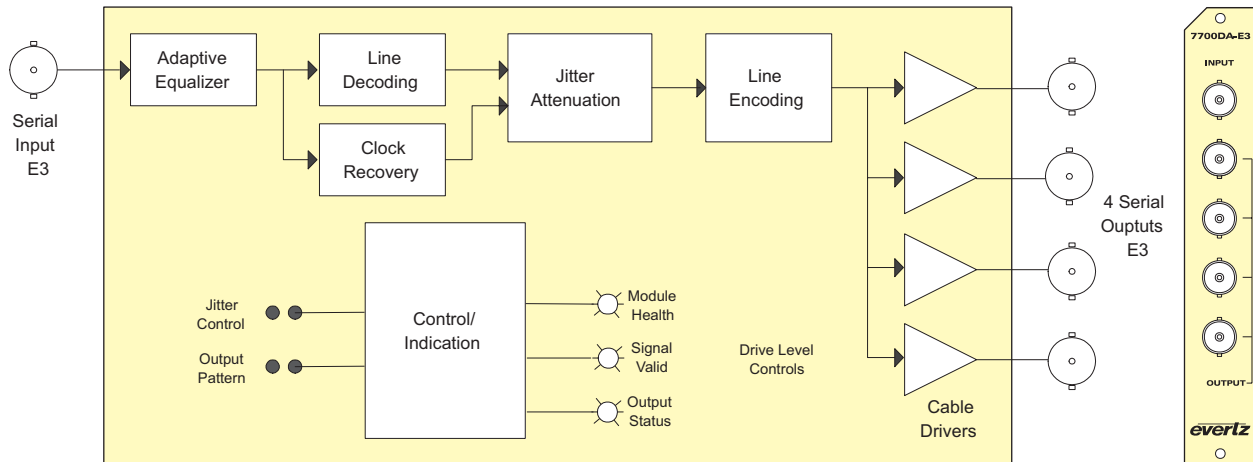# 7700DA-E3

E3 Distribution Amplifier

The 7700DA-E3 Distribution Amplifier provides automatic coaxial cable equalization, reclocking and signal distribution of DS3 (34.368Mb/s) signals. The 7700DA-E3 accepts a HDB3 encoded Alternate Mark Inversion (AMI) input signal and provides four reclocked outputs.

The 7700DA-E3 occupies one card slot and can be housed in a 1RU frame which will hold up to 3 modules, a 3RU frame which will hold up to 15 modules, a 350FR portable frame which will hold up to 7 modules or a standalone enclosure that will hold 1 module.

▶Features & Benefits

• Supports E3 (34.368Mb/s)
• Accepts HDB3 AMI input signals
• Adaptive cable Equalization for up to 300m of high quality 75Ω cable
• Signal reclocking and optional jitter attenuator

• Output wave shaping for E3 standards compliance
• Loss of signal (LOS) detection/indication
• Outputs 1s pattern generation upon loss of input signal

▶Specifications

Input:

Standard:	E3 (34.368Mb/s HDB3)
Number of Inputs:	1
Connector:	Isolated BNC per IEC 61169-8 Annex A
Equalization:	Automatic to 300m with Belden 8281 or equivalent cable
Return Loss:	> 20dB up to 34Mb/s

Outputs:

Number of Outputs:	4 reclocked
Connector:	BNC per IEC 61169-8 Annex A
Waveform:	Conforms to G.703 compliant masks
Return Loss:	> 18dB up to 34Mb/s

Electrical:

Voltage:	+12V DC
Safety:	ETL Listed, complies with EU low voltage directive
Power:	6W
EMI/RFI:	Complies with FCC Part 15, Class A EU EMC Directive

Physical:

Number of Slots:	1

▶▶▶Ordering Information

7700DA-E3	E3 Distribution Amplifier

Ordering Options Rear plate must be specified at time of order
Eg: Model +3RU

Rear Plate Suffix

+3RU	3RU Rear Plate for use with 350FR & 7700FR-C Multiframe
+1RU	1RU Rear Plate for use with 7701FR Multiframe
+SA	Standalone Enclosure Rear Plate

Enclosures

350FR	3RU Portable Multiframe which holds up to 7 single slot modules
7700FR-C	3RU Multiframe which holds up to 15 single slot modules
7701FR	1RU Multiframe which holds up to 3 single or dual slot modules
S7701FR	Standalone Enclosure