

500FC-DA-HD

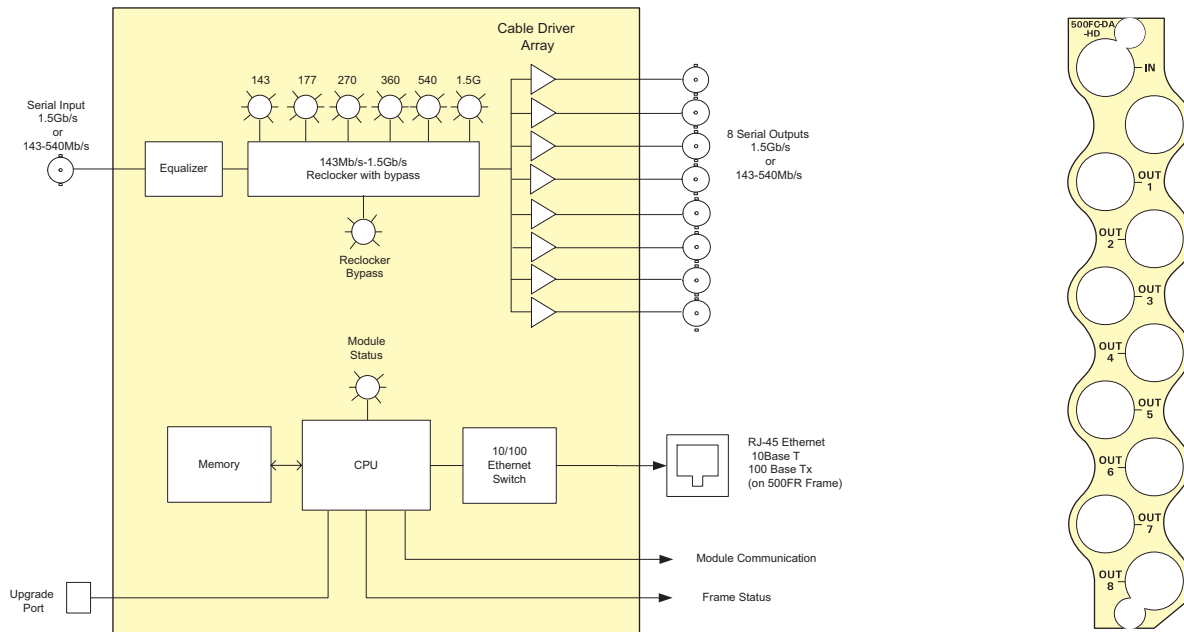
VistaLINK® Frame Controller with HD/SD-SDI Reclocking DA

The 500FC-DA-HD Frame Controller with Distribution Amplifier card provides a single point of access to communicate with VistaLINK® -capable 500 series of cards. The 500FC-DA-HD provides a 10Base-T/100Base-TX Ethernet port and communication is facilitated through the use of Simple Network Management Protocol (SNMP). The 500FC-DA-HD handles all SNMP communications between the frame (500FR) and the network manager (NMS), and serves as a gateway to individual cards in the frame. The 500FC-DA-HD also provides an RS-232 serial port at the card edge to set up the network addresses.

In addition the 500FC-DA-HD provides an on board reclocking distribution amplifier for HD/SD video signal at rates of 1.5Gb/s and 143Mb/s to 540Mb/s. The DA features an auto-equalized input with eight reclocked outputs and has been designed for use as a SMPTE 292M (1.5Gb/s), DVB-ASI or SMPTE 259M distribution product.

►Features & Benefits

- Complies with IEEE 802.3 100Base-TX and 10Base-T Ethernet standards
- 100Mb/s Fast Ethernet or 10Mb/s Ethernet data transfer, selected by auto-negotiation
- Full duplex or half-duplex operation, selected by auto negotiation
- RJ-45 connector for network cable connection
- Card edge RS-232 serial control port for configuration
- Front panel LEDs indicate module fault
- Rear panel LEDs indicate Ethernet link, activity and speed
- Provides frame/chassis status information through enabled hardware via VistaLINK® including frame status, card insertion/removal counters and 500FC-DA-HD software version number



►Specifications

Serial Video Inputs:		Ethernet:	Electrical:
Standards:	SMPTE 292M, SMPTE 259M-A, B, C, D (143 to 540Mb/s) or DVB-ASI	Network Type:	+12V DC
Connector:	1 BNC per IEC 61169-8 Annex A		Power: 5.5W
Equalization:	Automatic to 140m @ 1.5Gb/s		EMI/RFI: Complies with FCC Part 15 Class A and EU EMC directive
Return Loss:	> 15dB up to 1.0Gb/s, > 10dB up to 1.5Gb/s	Connector:	
			Physical:
			Number of slots: 1 (must be in slot 1 of 500FR)
Serial Video Outputs:		Serial Communications:	
Number of Outputs:	8 (Optionally reclocked)	Standard:	RS-232
Connector:	BNC per IEC 61169-8 Annex A	Connector:	9-Pin Female D connector on upgrade breakout cable (provided with 500FR)
Signal Level:	800mV nominal	Baud Rate:	57,600
DC Offset:	0V ±0.5V	Format:	8 bits, no parity, 2 stop bits, no flow control
Rise and Fall Time:	200ps nominal		
Overshoot:	< 10% of amplitude		
Return Loss:	> 15dB up to 1.0Gb/s, > 12dB up to 1.5Gb/s		
Wide Band Jitter:	< 0.2 UI		

►Ordering Information

500FC-DA-HD VistaLINK® Frame Controller with HD/SD-SDI Reclocking DA (1x8)

Accessories
+5PS **exponent**
Redundant power supply option for 500FR

Enclosures
500FR
S501FR

exponent
Compact High Density Distribution Frame
Standalone enclosure