



Product Data Sheet

BTF1-10-AA BarnOne 3G Frame with 16 SFP Ports

Description



Designed to be the most flexible, rack-space saving and affordable infrastructure platform in the audio, video and communication businesses. Highly compact and equipped with an up to 32x32 cross-point router. Barnfind offer a number of configurations to combine BNC, SFP and CWDM fiber optical multiplexing.

This BarnOne frame accept SFPs following the MSA standard – this includes optical, SDI copper, HDMI and RJ-45 Ethernet style SFP modules

The BTF1-10-AA includes all the features of the BarnOne frame series. Adding 8+8 balanced analog line level audio, a 264x264 channel audio matrix and 4+4 MADI interfaces. These are connected to the main 32 x 32 matrix of the BarnOne frame.

Ideal for optical signal transmission, remote stage box application and small studio style productions.

Product	SKU
BTF1-10-AA BARNONE 3G FRAME WITH 16 SFP PORTS	RE-05-1726



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BTF1-10-AA BarnOne 3G Frame with 16 SFP Ports

Technical Specification

BTF1-10-AA BarnOne Specification

Audio ports	SFP modules are hot pluggable/swappable
Analog Ports: 8x balanced analog line inputs (DB25), individually configurable +18dBu/+24dBu (default setting: +18dBu) 8x balanced analog line outputs (DB25), individually configurable +18dBu/+24dBu (default setting: +18dBu)	Multirate reclocking of outputs 270Mbps – 3Gbps
	CWDM Mux & Demux:
	8/16 optical channels
A/D Converter: THD -115dB, SNR -115dB unweighted, THD+N -108dB	Center wavelengths according to ITU-T G.694.2
D/A Converter: SNR -115dB, THD+N -107dB	Channel center wavelength 1290-1590 nm
MADI Ports:	Channel clear passband ITU +/- 7 nm
4x MADI (AES10) inputs internally connecting to main matrix	Insertion loss 8ch-2.5dBm, 16ch-3.5dBm (max)
4x MADI (AES10) outputs internally connecting to main matrix	Passband ripple 0.5dBm (max)
Sample rate 44.1kHz/48kHz (1FS), 2FS supporting 88.2kHz/96kHz	Adjacent channel isolation 30dBm (min)
Synchronisation to one of the MADI ports or to internal clock 44.1kHz/48kHz	Non-adjacent channel isolation 45dBm (min)
Single channel routing for all MADI ports and analog I/O	Return loss 45dBm (min), Directivity 45dBm (min)
Electrical ports:	Polarization dependent loss 0.1dBm (max)
8x bi-directional BNC ports, 75 OHM BNC connector	Operating temperature range -20C to +70C (optional -40C to +85C)
SMPTE 259M, 292M, 372M, 424M, DVB-ASI	Storage temperature handling – 40 to + 85C
Multirate reclocking of outputs 270Mbps – 3Gbps	Maximum power handling 300mW
Automatic cable EQ (Belden 1694A) 270Mbps-250m, 1.5Gbps-140m, 3Gbps-80m	Power supply:
SFP ports:	12V DC 120W power supply included, Redundant power supply optional
24x SFP ports (small formfactor pluggable) for transceivers, MSA compliant, up to 3Gbps	Physical size:
SMPTE 259M, 292M, 372M, 424M, 297M, DVB-ASI	445mm x 280mm x 43,5mm (17.5" x 11" x 1.7"), 3.8 kg