



Product Data Sheet

BTF1-07-08 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. Offering 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.

World-class redundancy handling with auto switching to any chosen input makes BarnOne one of the most comprehensive component for critical transmissions.

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

Product	SKU
BTF1-07-08 BARNONE 3G FRAME WITH 16 SFP PORTS	RE-05-1708



Product Data Sheet

BTF1-07-08 BarnOne 3G Frame with 16 SFP Ports

Technical Specification

BTF1-07-08 BarnOne Specification

Electrical ports:	Insertion loss 8ch-2.5dBm, 16ch-3.5dBm (max)
8x bi-directional BNC ports	Passband ripple 0.5dBm (max)
75 OHM BNC connector	Adjacent channel isolation 30dBm (min)
SMPTE 259M, 292M, 372M, 424M, DVB-ASI	Non-adjacent channel isolation 45dBm (min)
Multirate reclocking of outputs 270Mbps – 3Gbps	Return loss 45dBm (min)
Automatic cable EQ (Belden 1694A) 270Mbps-250m, 1.5Gbps-140m, 3Gbps-80m	Directivity 45dBm (min)
SFP ports:	Polarization dependent loss 0.1dBm (max)
16x SFP ports (small formfactor pluggable) for transceivers, MSA compliant, up to 3Gbps	Operating temperature range -20C to +70C (optional -40C to +85C)
SMPTE 259M, 292M, 372M, 424M, 297M, DVB-ASI	Storage temperature handling – 40 to + 85C
SFP modules are hot pluggable/swappable	Maximum power handling 300mW
Single-mode, multi-mode or media-converter SFP modules	Power supply:
Multirate reclocking of outputs 270Mbps – 3Gbps	12V DC 120W power supply included
CWDM Mux & Demux:	Redundant power supply optional
8/16 optical channels	Physical size:
Center wavelengths according to ITU-T G.694.2	445mm x 280mm x 43,5mm (17.5" x 11" x 1.7")
Channel center wavelength 1290-1590 nm	3.8 kg
Channel clear passband ITU +/- 7 nm	