Buebell

BC Series Modular Fibre Optic Interface System



BC100 Modular 3RU Rack Mounting System

The BC Series is a cost effective and flexible modular system designed to accommodate the growing number of broadcast signals that need to be transported over fibre optic cable. With nearly 100 cards in the range, all standard video, audio and data formats can be accommodated with alarm and monitoring via GPI or Ethernet/SNMP.

From a simple point to point link or a complex optical infrastructure the BC Series combines the lowest cost of ownership, full broadcast specifications and robust energy efficient designs.

Multiple signals can be electrically multiplexed together as a single wavelength and up to 16 wavelengths can then be multiplexed onto a single fibre using CWDM. Optical splitters and switches provide redundancy for mission critical situations.

Our equipment supports

4K, 3G-SDI, HD-SDI, SD-SDI, DVB-ASI Broadcast Quality PAL/NTSC MADI, AES/EBU and analogue audio 10/100/1000 BaseT Ethernet Data and RF

The BC100 is a 19" 3RU chassis for Bluebell BC Series cards. Each frame can hold up to 15 single slot cards. Redundant PS65 power supplies are available. Signal and card monitoring is achieved through SNMP monitoring in the BM102 network card.

The BM102 network card monitors the status of signals and power supplies within the frame.

The Ethernet port allows a third party SNMP management system to receive signal and power supply failure alarms.

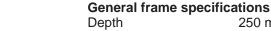
The card is fitted into Slot 16 of the BC100 frame.





The BM102 network card monitors the status of signals and power

Specifications



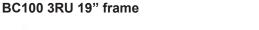
250 mm Width 445 mm

Height 132.5 mm (3RU) 11 kg when fully loaded Weight

Operating Temp -30 to +70 °C

Voltage Range 90 to 250 V ac 47 to 663 Hz Power 65 W when fully loaded Signal detect Contact closure for psu failure

No of slots





PS65 Power Supply

Conformance

EMI/RFI Complies with 89/336/EEC Electrical Complies with EN 61000-6-1,

EN61000-6-2

RoHS Complies with Directive 2002/95/EC

Warranty 5 years

Ordering Information

PS65

Universal Chassis and Power Supplies

BC100 19" 3RU Chassis for up to 15 BC Series Cards.

Facility for Dual Redundant Power Supplies and BM102 Network Monitoring card.

Optional and ordered separately. IEC Mains Leads not supplied.

90-250 V ac Power Supply for BC100-3RU or BB100-3RU Chassis.

Two required per frame for redundancy.

BC100 v2 19" 3RU Chassis for up to 15 BC Series Cards.

Facility for Dual Redundant Power Supplies and BM102 Network Monitoring card. Optional and ordered separately. Fitted with internal fan module assembly.

IEC Mains Leads not supplied.

PS100 100 W 90-250 V ac Power Supply for BC100 v2 Chassis.

Two required per frame for redundancy.

BM102 Network Monitoring Card with Ethernet connection.

Monitor the frame and cards via internal web server over http or via SNMP and a Third Party

NMS. Optional - 1 required per frame."