

Bluebell

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.



BM102 Network

The BM102 network card monitors the status of signals and power supplies within the frame. The Ethernet port allows a third

Specifications



BC100 3RU 19" frame

General frame specifications

Depth	250 mm
Width	445 mm
Height	132.5 mm (3RU)
Weight	11 kg when fully loaded
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	15



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

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.
PS65	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."