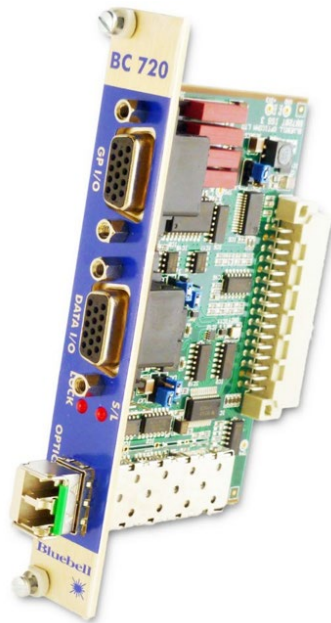


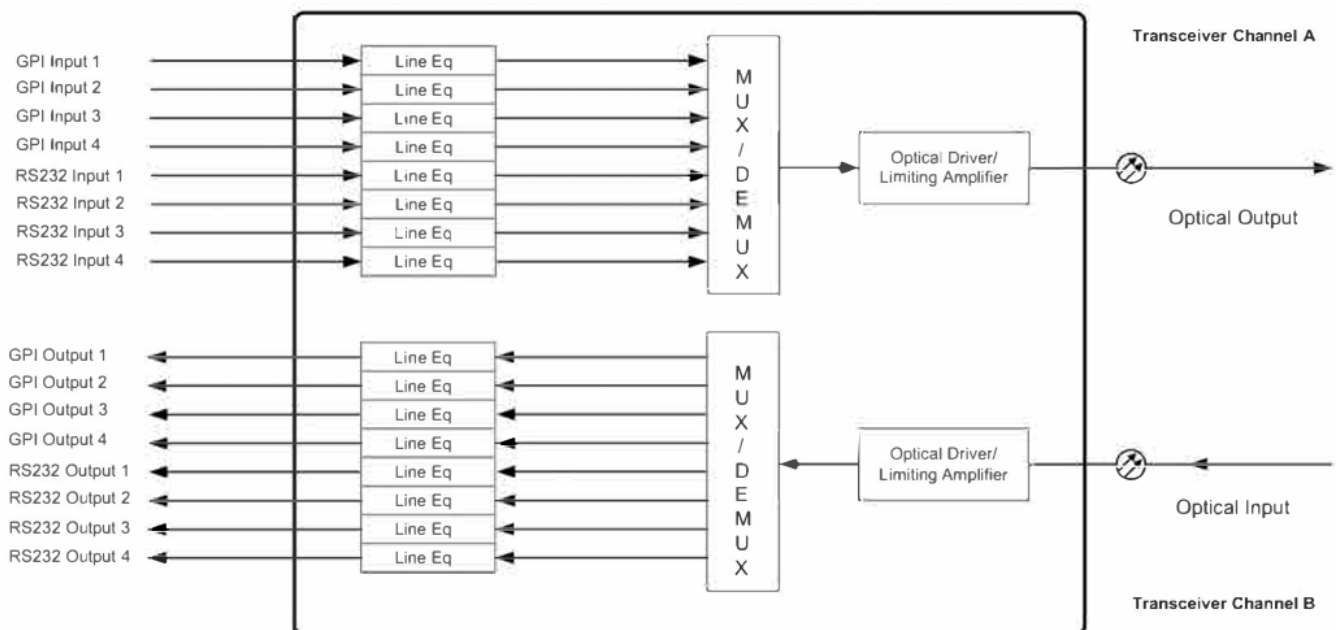
BC Series Modular Fibre Optic Interface System



Description:

- Transmits and receives 4 independent GPIO signals plus 4 RS232 or RS422/485 signals over fibre
- Uses two independent wavelengths for reliable transport
- GPIO inputs are TTL level; GPIO outputs via isolated relay contact closure
- Supports mixed mode operation (RS232 ↔ RS422/485) without external converters
- Available in multimode and singlemode variants
- Fits into the BC100-3RU rack (up to 15 cards, or 30 channels with dual-function cards)
- SNMP monitoring available with BM101; GP-output alarms via BM100 module
- Can also be housed in a rugged stand-alone enclosure

BC720 Schematic diagram:



Specifications

Electrical Input/Audio	
Connector	15 way D sub-connector
Number	4 x TTL level GPIO inputs Operational mode 1) RS232 4 x RS232 2) RS422/485 2 x RS485 Full Duplex 1 x RS422 Full Duplex 1 x RS485 Half Duplex 3) RS422/485 1 x RS485 Half Duplex 1 x RS422/485 Full Duplex
Electrical Output	
Connector	15 way D Sub-Connector
Number	4 x GPIO outputs via isolated relay contact closure Operational Mode 1) RS232 4 x RS232 2) RS422/485 2 x RS485 Full Duplex 1 x rs422 Full Duplex 3) RS422/485 1 x RS485 Half Duplex 1 x RS422/485 Full Duplex
Optical Input/Output	
Connector	2 x female LC/PC See Ordering Information
Wavelength	See Schematic
Optical Power	-15 dBm@ 1310 nm multimode -6 dBm@ 1310 nm singlemode
Sensitivity	> - 26 dBm
Max I/P Power	> -1 dBm

General Card Specifications	
Depth	60 mm
Width	20 mm 4TE
Height	129 mm (3RU)
Weight	100g
Operating Temp	-30 to +70 °C
Power	2.5 W
Signal Detect	LED on for signal Loss
Conformance	
EMI/RFI	Complies with 89/336/EEC
Electrical	Complies with EN 61000-6-1, EN61000-6-2
Laser Safety	Complies with Class 1 laser product 24 CFR 1040.10 & 1040.11
RoHS	Complies with Directive 2002/95/EC
Warranty	5 years
See Ordering Information Key/xx Use /RC for GPI relay closed = GPO closed Use /RP for GPI relay closed = GPO open ² The card can also operate in a mixed mode where RS232 signals on end connect to remote equipment operating in RS485 (or RS422) mode.	

Ordering Information

BC720M/xx	Multimode dual fibre GPI and Data Transceiver Card with LC connectors
BC720S/xx	Singlemode dual fibre GPI and Data Transceiver Card with LC connectors

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