

Optical Repeater

SOR-200

2-Channel Serial Optical Repeater



The Optical repeater, SOR-200, is a 2 channel serial optical signal over a long distance single mode fiber device. Asynchronous signals can be connected to client side port 1 and 2. thus two serial inputs with ST connectors are available and these can be multiplexed onto trunk port 3. Two devices with and optical interface can be connected to port 1 and 2 via MM fiber. These signals are transmitted to trunk port3 via 20km SM fiber with LC connector. The SOR-200 supports DC voltages or AC voltage sources. To supports commissioning, loops can be activated for client side port 1/2 so that the input signals are reflected at each port to support commissioning of the optical fiber connections.

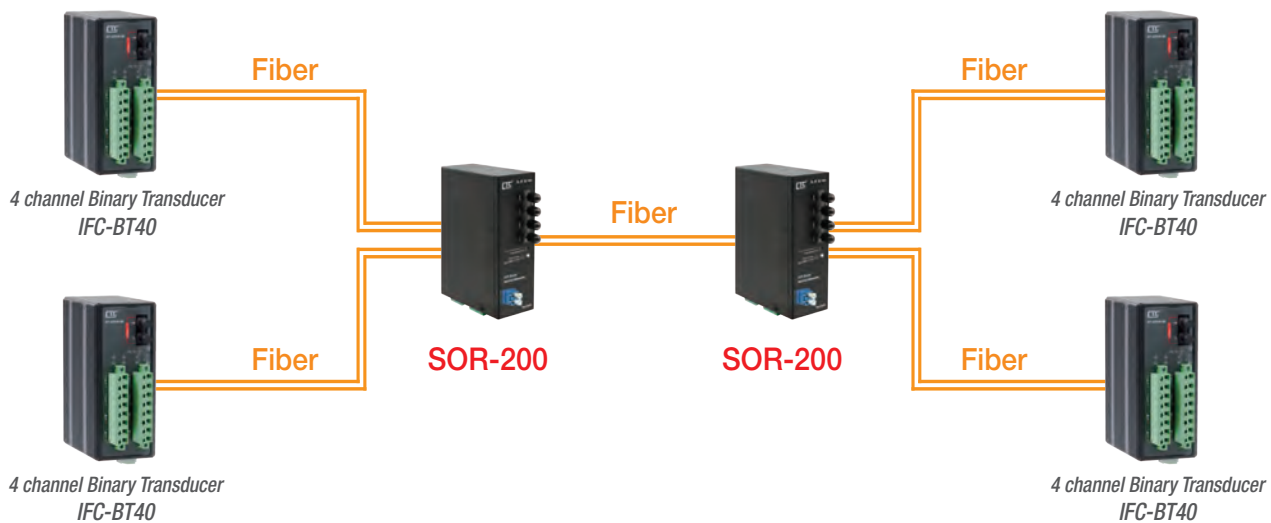
Features

- Supports two ST multiplexed serial Ports
- Supports one trunk port for distances up to 20 km via SM fiber
- Automatic baud rate adjustments to synchronous and asynchronous for serial signals
- One alarm contact for signaling
- Communication failure alarm detection
- LED's for data transfer and alarm indication
- Bidirectional transmission of two optical ports over one single mode fiber

Specifications

Connections	Port 1 / Port 2	ST connector 2km MM fiber, 1310nm
	Port 3	LC connector 20km SM fiber, 1310nm/1550nm
	Screw-type terminals	3-pole screw-type terminals for auxiliary voltage supply
		3-pole make/break contact for alarm relay
Fiber	Multi-mode	50/125 μ m and 62.5/125 μ m, 1310nm
	Single-mode	9/125 μ m, 1310nm
Display	LEDs	Port 1, Port 2, Port 3, Power Error of link down
Power	Power supply	60 to 264 VAC, 60 to 300 VDC
Power Consumption		<6W
Dimensions		50 x 106 x 135 mm (W x D x H)
Weight		0.7Kg
Temperature		0 ~ 50°C (Operating), -10 ~ 70°C (Storage)
Humidity		5 ~ 90% non-condensing
Certification		CE, FCC

Application



Related Products



IFC-BT40

4 Channel Binary Transducer, 4 binary input, 4 high power MSR Relay output, fiber transmission

Ordering Information

Model Name	Description
SOR-200	Optical repeater with 2x ST MM serial port to 20km SM fiber LC/UPC