

Tri Band RF Indoor Repeater TB3R20 Repeater



APPLICATION AREAS

- Office and Residences
- Shopping Malls, Hotels, Hospitals, Restaurants, etc.
- Basements & Car Parking Areas

MODEL# IT3R3

TB3R20 Tri Band RF Repeater

Indoor Coverage

The TB3R20 is an integrated tri band RF repeater equipped with three sub bands in a 1+1+1 configuration. This band selective system is specifically designed for those service providers who are allocated with spectrum allocations in three different bands. It is easy to install and enhances coverage in areas of up to 2,000 sq. meters/20,000 sq ft.



TRI BAND RF REPEATER
TB3R20 [INDOOR]

SALIENT FEATURES

- Compatible with GSM, CDMA, iDEN, WCDMA and GSMR technologies
- Available for 900 MHz + 1800 MHz + 2100 MHz / 850 MHz + 1900 MHz + AWS frequency bands
- Designed for indoor applications
- Conforms to ETSI & FCC standards
- Compatible with frequency hopping BTS
- Low noise and highly linear RF performance
- Oscillation suppression feature
- APC (Automatic Power Control) for optimal linear output power
- System Monitoring through USB port with easy to view GUI
- Remote Management System (OMCR) and SNMP (Simple Network Management Protocol) is optional
- High selectivity hence excellent out-of-band signals rejection
- RSSI indication, local control & alarms
- Caters to networks with 3 sub bands in 1+1+1 configuration in three bands.

TB3R20 Tri Band RF Repeater

SPECIFICATIONS

Gain:	70dB Min. UMTS: 65dB Min.
Attenuation Range:	0-31 dB in steps of 1 dB
Attenuation Type:	Automatic/Manual through GUI/DIP Switch
Automatic Power Control:	10 dB Min.
Output Power Per Band (Composite): (No. of Server Ports: 2)	+ 15 dBm Min. per Port
Spurious Emission:	<-36dBm @ 9KHz-1GHz <-30dBm @1GHz-12.75GHz
Noise Figure:	12 dB Max.
Pass Band Ripple:	± 2 dB
Impedance:	50 Ohms
Propagation Delay:	5.5 µs Max.
Power Supply Adapter:	Input: AC 100 - 240 V, 47/63 Hz
Power Consumption Approx.:	60 Watts
RF Connector:	N Type Female
USB Interface:	RSSI, Power, Event, Alarm and Configuration Management
Weight Approx.:	11 kg. (24 lbs)
Dimensions (L x W x H) Approx.:	400 x 300 x 100 mm (16 x 12 x 4 in.)
Operating Temperature Range:	-5 °C to +55 °C (+23 °F to +131 °F)
Remote Monitoring (Optional):	Wireless Modem (SNMP Option available)

FREQUENCY BANDWIDTH

- Customizable as per requirement

ACCESSORIES

- Operational Manual
- Power Supply Adapter with Cord
- USB Interface Cable
- Software (CMC) CD

All Shyam signal enhancement products can be customized to fit your requirements. Contact the Shyam location nearest you for further details.

ABOUT SHYAM TELECOM

Shyam Telecom is a leading global telecom equipment manufacturer supplying innovative indoor and outdoor wireless signal enhancement solutions to more than 100 networks on five continents. The company designs and manufactures cost effective RF and optical distributed antenna solutions that enable mobile operators, real estate developers, neutral-host providers, and businesses to provide seamless wireless coverage within their networks.

Shyam Telecom has been manufacturing RF and fiber equipment for over 30 years, enabling reliable mobile communications for GSM, CDMA, UMTS, and Public Safety. The product line is designed to provide solutions that meet all of today's network standards, wireless protocols and frequencies to ensure coverage today, and state-of-the art technology to meet the needs of the future.

NEXT GENERATION SIGNAL ENHANCEMENT



CORPORATE HEADQUARTERS

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