Specification

Low Power Remote Optical BDA(Band-Selective)

TS-9200	
Frequency Range	350-470MHz
Protection	IP55
Weight	15kg/15kg
Dimension (L x W xH）	210x300x100mm / 210x300x100mm
Power Supply	AC180～260V（45～55Hz）/DC-40～-55V
Connector Type	N-connector (female)
Monitoring Mode	GSM、Ethernet(SNMP)、RS232
Environment Humidity	≤ 95% RH
Operating Temperiture	-30℃～+60℃
Input\Output Inpedance	50Ω
Noise Factor	≤5dB
Signal Delay	≤ 5us

Downlink		Uplink	
IP3	>39dBm	IP3	>39dBm
Gain	100dB	Gain	100dB
Input Level	-50 ～ -20dBm	Input Level	-100～ -65dBm
Output Power	20dBm（100mW）	Output Power	20dBm（100mW）

Remote Optical Channel-selective BDA

Frequency Range	350-470MHz、800MHz
Protection	IP55
Weight	25kg/25kg
Dimension (L x W x H）	460x400x202mm / 460x400x202mm
Power Supply	AC180～260V（45～55Hz）/DC-40～-55V
Connector Type	N-connector (female)
Monitoring Mode	GSM、Ethernet(SNMP)、RS232
Environment Humidity	≤ 95% RH
Operating Temperiture	-30℃～+60℃
Input\Output Inpedance	50Ω
Noise Factor	≤5dB
Signal Delay	≤ 35us

Downlink		Uplink	
IP3	62dBm	IP3	62dBm
Gain	110dB	Gain	110dB
Input Level	-80 ～ -45dBm	Input Level	-105 ～ -70dBm
Output Power	37dBm（5W）	Output Power	37dBm（5W）

If you want to know the other BDA type specification, please contact the local dealers.

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Your Local Dealer

UK20101222A

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Respond & Achieve

TS-9200

Bi-Directional Amplifier

BDA Type:

- Integrated RF BDA(Band-selective or Channel-selective)
- Low power integrated RF BDA(Band-Selective)
- Remote RF BDA(Band-selective or Channel-selective)
- Remote Optical BDA (Band-selective or Channel-selective)
- Low Power Remote Optical BDA(Band-Selective)
- Remote Optical & Near-end Coupled BDA(Band-selective)

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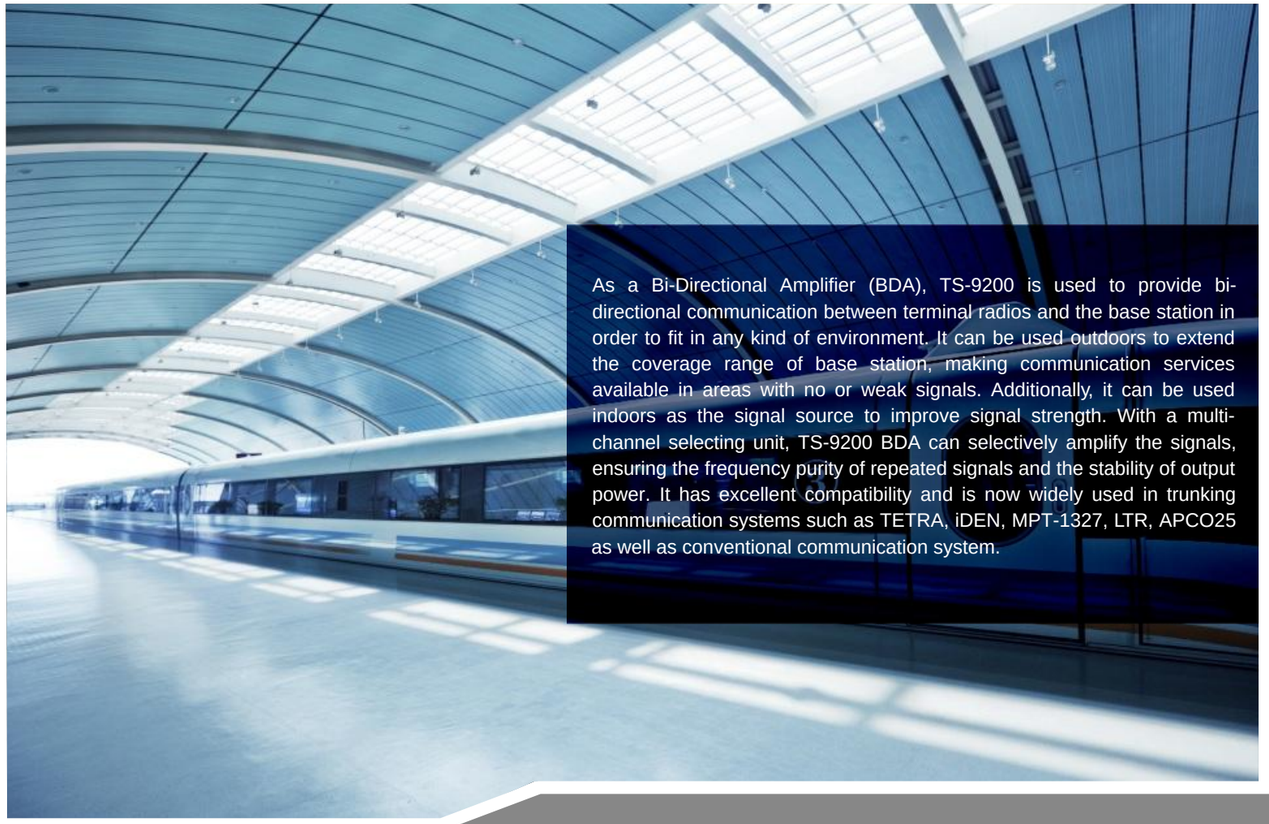


As a Bi-Directional Amplifier (BDA), TS-9200 is used to provide bi-directional communication between terminal radios and the base station in order to fit in any kind of environment. It can be used outdoors to extend the coverage range of base station, making communication services available in areas with no or weak signals. Additionally, it can be used indoors as the signal source to improve signal strength. With a multi-channel selecting unit, TS-9200 BDA can selectively amplify the signals, ensuring the frequency purity of repeated signals and the stability of output power. It has excellent compatibility and is now widely used in trunking communication systems such as TETRA, iDEN, MPT-1327, LTR, APCO25 as well as conventional communication system.

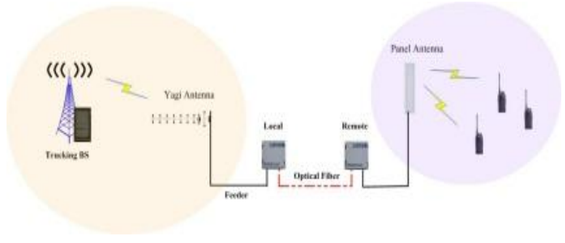
TS-9200

Bi-Directional Amplifier

Product Highlights

- With modularized design, easy for maintenance;
- Software remote monitoring (GSM、Ethernet(SNMP)、serial port), easy for maintenance and management.
- SDR (Software Defination Radio) Technology, filtering irrelative and ensuring stable output power & clean spectrum output.
- Function of Channel Switch. With this functions, the channel will automatically be shut down if there is no call in the coverage, which can strongly reduce the impact of base stations.
- Dustproof, moistureproof & waterproof, with low requirements on installation environment;
- With high-linearity power amplifier and high-rejection duplexer, capable of rejecting intermodulation and spurious signals;

Remote Optical BDA System



Application Examples

●Coverage Solution for Tunnels
Signals are strongly shielded in long and narrow tunnels due to barriers such as mountains. As a result, there is almost no signal except the entrance and exit. BDA would throw this problem away.

●Coverage Solution for Roads and Railways
Install BDAs between base stations of trunking system along highways, railways or rivers, and users will enjoy the following benefits: coverage range extension of trunking system; the reduction of base station number and frequency resource occupation; significant cut of system construction cost and winning of a cost-effective zonal coverage solution with high performance.

●Coverage Solution for Indoor Areas
Most trunking systems adopt the large coverage system. As a result, the signals are weak when getting to the indoor area due to the attenuation such as space loss and penetration loss. This is why signal blind areas or poor communication quality occur in the lower floors, basements, Mine and elevators of high-rise buildings. In these cases, BDA is the best solution thanks to its ability to improve signal strength and ensure communication quality.

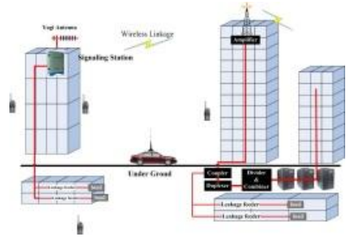
●Coverage Solution for Outskirts Areas
In suburbs and remote town areas, BDA is the best coverage solution, not only for its affordability and easy installation, but also for its functions (equal to a small base station).

●Coverage Solution for Congested Residential Areas
In congested residential areas, buildings vary in height and the space size between two buildings is small with complex electromagnetic environment. This may cause the signal to attenuate quickly. Therefore, low coverage rate and poor communication quality result. Luckily, these problems can be eliminated by using BDAs.

Typical Solution Of BDA

This is a typical case of integrated solution of BDA. The system uses BDA and repeater to build a radio network to cover both the inside and outside of these buildings.

Dubai Intercom Hotel



Dubai Intercom Hotel
Coverage Project