Trunk Amplifier_Quad-Band

1800-3800 MHz

TS-BDA-53L40A



1800 MHz + 2100 MHz + 2600 MHz + 3800MHz

The Trunk Amplifier provides an affordable solution to solve the indoor signal coverage problems due to signal fading and attenuation caused by architecture obstacles. And its easy installation and maintenance can help carrier get fast return.

The Trunk Amplifier is working as a relay between the BTS/Repeater and distributed antennas. It receives the low-power signal from Trunk line of indoor distribution system via the coupler, linearly amplifies the signal and then retransmits it via the cables to the antenna distribution system. And the repeater signal is also amplified and retransmitted to the BTS via the opposite direction.

Key features

- Aluminum-alloy casing with IP65 protection has high resistance to dust, water and corrosion.
- Stable and improved signal transmission quality.
- Linear power amplification to effectively suppress inter-modulation and spurious emission.
- > Smart Automatic Level Control (ALC) ensures output level stable and adjustable continuously.
- ➤ Built-in 5G Dynamic TDD Sync Detection Module, automatic completion of 5G wireless network cell search and wireless signaling processing.
- ➤ USB/RJ45 port provides a link to a notebook for local supervision or IP Based NMS (Network Management System) that can remotely supervise repeater's working status and download operational parameters to the repeater via Ethernet.

Advantages

- ☑ Multi_standards/Multi_operators
- ☑ Remote Control



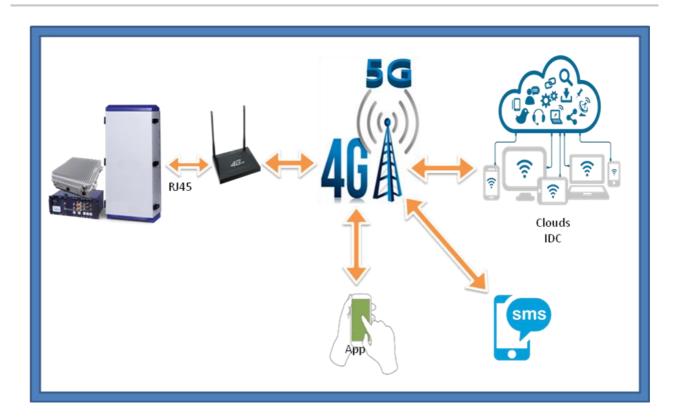
E-mail: sales@tspd.com.tw

Specifications

Uplink 1710~1785MHz 1920~1980MHz 2500~2600MHz 3700~3900MHz Downlink 1805~1880MHz 2110~2170MHz 2500~2600MHz 3700~3900MHz Working Bandwidth 75MHz 60MHz 100MHz 200MHz Downlink 40±2dBm per Band Downlink 40±2dBm per Band Maximum Gain 45±3dB per Band MGC Range 0~25dB @ Step of 1dB MGC Range 210dB MGC Range 21.5 STOUP Delay ≤ 1.5 Group Delay ≤ 1.5 Group Delay ≤ 1.5 Group Delay 50	Technical characteristics						
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Downlink 1805~1880MHz 2110~2170MHz 2500~2600MHz 3700~3900MHz	System		DCS/LTE1800	UMTS/LTE2100	5GNR TDD-2600	5GNR TDD-3800	
Downlink	Frequency Range	Uplink	1710~1785MHz	1920~1980MHz	2500~2600MHz	3700~3900MHz	
Composite Output Uplink Ower Downlink -10±2dBm per Band Ower Downlink 40±2dBm per Band 40±2dBm per Band Maximum Gain 45±3dB per Band MGC Range 0~25dB @ Step of IdB AGC Range ≥10dB Smart Mode YES VSWR ≤1.5 Group Delay /O Impedance So Ω Noise Figure Spurious Emission GR Connector 2°N- Female(1 BTS Port and 1 MS Port) Power Consumption 2*N- Female(1 BTS Port and 1 MS Port) Dimensions Weight 2+3kg Operating Temperature -10 ~ +50 °C Application Relative Humidity Range spurious Installation Power Supply, Running, Alarm		Downlink	1805~1880MHz	2110~2170MHz	2500~2600MHz	3700~3900MHz	
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LED Indicators Power Supply, Running, Alarm	Relative Humidity Range		≤95%(Non condensing)				
	Installation Type		Wall Installation				
Local Control Via USB Interface or Wi-Fi Hotspot	LED Indicators		Power Supply, Running, Alarm				
-	Local Control		Via USB Interface or Wi-Fi Hotspot				
NMS Mode(Optional) Cloud NMS via Built-in 4G Wireless Modem	NMS Mode(Optio	onal)	Cloud NMS via Built-in 4G Wireless Modem				

E-mail: sales@tspd.com.tw

Network Management System (NMS)

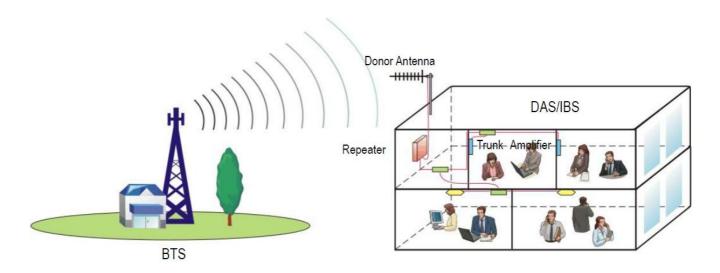


Applications

To expand signal coverage or fill signal blind area where signal is weak or unavailable.

Outdoor: Airports, tourism regions, golf courses, tunnels, factories, mining districts, villages, ...

Indoor: Hotels, exhibition centers, basements, shopping malls, offices, parking lots, ...



E-mail: sales@tspd.com.tw