

Dual Band GSM Booster

BT-918 (GSM+DCS) / BT-921 (GSM+3G WCDMA)

BT-819 (Cellular+PCS)

- PORTech Dual Band GSM Booster is ideally suitable for providing and/or improving cellular reception not only in voice, but also in high data rate communication like HSDPA / HSUPA / HSPA+ (mobile internet).
- Its superior amplification and high quality, intuitive installation makes DIY easy, and it is suitable for home, house, office, coffee shop indoor.



PACKAGE CONTENTS



Features

- GSM / DCS full dual band operation (BT-918)
- GSM / 3G WCDMA (HSDPA / HSUPA / HSPA+) full dual band operation (BT-921)
- Cellular/PCS dual band (BT-819)
- DIY Kit, All accessories are included
- Loop oscillation Alarm Indication
- Coverage : 3000 ft² (300 m²)
5000ft²(500



Specifications

Model No.	BT-918	BT-921	BT-819
Cell Phone System	GSM+DCS	GSM+3G WCDMA	Cellular+PCS
Frequency Range	GSM	DCS 3G WCDMA	Cellular : PCS
Uplink (MHz)	890~915	1710~1785 1920~1980	824~849MHz 1850~1910MHz
Downlink (MHz)	935~960	1805~1880 2110~2170	869~894MHz 1930~1990MHz
Bandwidth	25 MHz	75 MHz 60 MHz	25MHz 60MHz
Gain	Uplink : 50dB / Downlink : 50dB (GSM) Uplink : 55dB / Downlink : 55dB (DCS) Uplink : 55dB / Downlink : 55dB (3G WCDMA)		Uplink : 50dB / Downlink : 50dB (Cellular Band) Uplink : 55dB / Downlink : 55dB (PCS Band)
Gain Variation	± 3 dB		± 3 dB
Noise Figure	Uplink : 6.0dB / Downlink : 6.0 dB		Uplink : 8.0dB / Downlink : 8.0 dB
OICP-3	Uplink : 34dBm / Downlink : 20 dBm		Uplink : 34dBm / Downlink : 20 dBm
P1dB	Uplink : 26dBm / Downlink : 12 dBm		Uplink : 26dBm / Downlink : 12 dBm
V.S.W.R.	≤ 2.0:1		≤ 2.0:1
RF Power Output	Uplink 20dBm / Downlink 2 dBm		Uplink 17 dBm / Downlink 2 dBm
Power Supply	90~240VAC 50-60Hz, 12.2 VDC 1.0A(max)		90~240VAC 50-60Hz , 12.2VDC 1.0A (max)
Power consumption	9W		8 W
AGC Range	20dB (Typ)		20dB (Typ) (Both TX , RX port and Cellular , PCS Band)
Spurious IMD	-36dBm		-36dBm (max)
Size Dimensions	4.2 x 11.5 x 19.3 cm (H*W*D) / 1.7 * 4.5 * 7.6 in		
RF Connector	Outdoor ANT side : F (F) , Indoor ANT side: TNC (F)		
Weight	0.7 kg (approx.)		
Case	ABS plastic material , FR 94V0		
Installation	Wall or ceiling mount or set on the cabinet		
Operation Temp.	-5°C ~ +50°C		