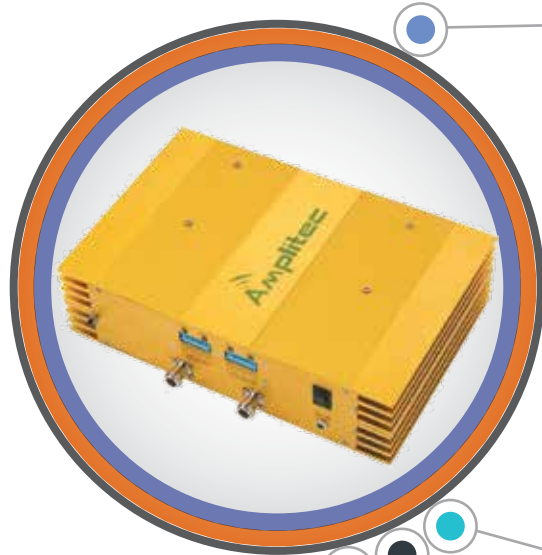




W15-GD

Signal booster kit for large residential dwellings, large offices



FEATURES

- Light weight, compact size and high performance.
- Provides a quick cost-effective solution to indoor coverage problems.
- Reduces dropped calls.
- High linear design, low interference to the BTS.
- Low power consumption, ease of installation and great coverage.
- Intelligent design with built-in ALC function, ATT manual attenuation control at 1db/steps.
- With proper installation, expected coverage is 500~3000m².
- SAW filter provides good out-of-band rejection.
- ALC function protects against oscillation.
- 1 or multi sub-bands in any two frequency bands.


ALSO REQUIRED

- Outdoor/donor antenna.
- Mast and mast wall mount bracket and fixtures.
- Low loss up/link cable.
- Low loss down/link cables and splitters.
- Indoor/service antennas.

ELECTRICAL SPECIFICATION

- Power adapter.
- Voltage surge and lightning protection standard.
- R5000 Insurance coverage included.
- User manual.

CONTACT

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SPECIFICATIONS

Items		Uplink	Downlink
Frequency range	GSM	890.1 ~ 901.1 MHz	935.1 ~ 946.1 MHz
	DCS	1760.3 ~ 1772.3 MHz	1855.3 ~ 1867.3 MHz
Bandwidth	GSM	11 MHz	11 MHz
	DCS	12 MHz	12 MHz
Output Power	GSM	10 ±2 dBm	15 ±2 dBm
	DCS	10 ±2 dBm	15 ±2 dBm
Gain	GSM	65 ±2 dBm	65 ±2 dBm
	DCS	65 ±2 dBm	65 ±2 dBm
Ripple	GSM	3 dB	3 dB
	DCS	3 dB	3 dB
VSWR	GSM	2	2
	DCS	2	2
Max Input Power without Damage		-10 dBm	
Out of Band Gain (GSM)	± 600KHz	+ 40 dB	+ 40d B
	± 1MHz	+ 35 dB	+ 35 dB
	± 5MHz	+ 25 dB	+ 25 dB
Out of Band Gain (DCS)	± 600KHz	+ 40 dB	+ 40 dB
	± 1MHz	+ 35 dB	+ 35 dB
	± 5MHz	+ 25 dB	+ 25 dB
Intermodulation Products	GSM	- 36 dBm	- 36 dBm
	DCS	- 30 dBm	- 30 dBm
Spurious Emission	9 KHz ~ 1 GHz	- 36 dBm	- 36 dBm
	1 GHz ~ 12.75 GHz	- 30 dBm	- 30 dBm
ATT step of 1 dB (GSM)	1 ~ 10 dB	Δ 1 dB	Δ 1 dB
	10 ~ 20 dB	Δ 1 dB	Δ 1 dB
	20 ~ 25 dB	Δ 1.5 dB	Δ 1.5 dB
ATT step of 1 dB (DCS)	1 ~ 10 dB	Δ 1 dB	Δ 1 dB
	10 ~ 20 dB	Δ 1 dB	Δ 1 dB
	20 ~ 25 dB	Δ 1.5 dB	Δ 1.5 dB
ALC Active 10dB		Δ 2 dB	Δ 2 dB
LED Indication	Power On	Green	
	Power Off	No Light	
Alarm	ALC not Active	-	Green
	ALC Active 5 ~ 10 dB	-	Orange
	ALC Active > 15 dB	-	Red
Noise Figure @ max gain	GSM	6 dB	6 dB
	DCS	6 dB	6 dB
Time Delay	GSM	5 s	5 s
	DCS	5 s	5 s
Power Supply		DC : 9V/3A	
RF Connector		N-Female	
Operating Temp		-10°C ~ +55°C	