



▶ Single Band Repeater



1. System Configurations

- DL & UL ALC for power overload protection
- Optimized gain and maximized performance
- Auto gain control function
- Design to increase signal strength
- Exceptional coverage – Low NF
- Extremely high reliability
- Applicable to iDEN CDMA GSM PCS DCS TRS UMTS networks

2. Key Advantages

- Extremely high reliability – Integrated electronics, internal built-in recovery
- Auto gain control function designed to protect the system against oscillation and interference of base station
- Optimized gain and maximized performance for medium sized areas
- Designed to increase signal strength in small and medium sized areas such as offices, shops and basements
- Easy to install - Light weight, compact and auto-setup functionality
- Delivery with complete installation package including power supply and antenna
- True one-box solution
- CE, FCC, RoHS, ISO9000, ISO14001 compliant

3. Options

- Band selection through high quality surface acoustic wave (SAW) filter
- LCD display & manual switch
- Remote M&C via internal wireless modem



4. Specification

	Single Band Repeater				
	GSM	CDMA	PCS	DCS	SMR
Frequency	UL890~915 DL935~960	UL824~849 DL869~894	UL1850~1910 DL1930~1990	UL1710~1785 DL1805~1880	UL806~821 DL851~866
IP3	≥27dBm	N/A	≥27dBm	≥27dBm	≥31.5dBm
Spurious	N/A	≥45dB@fo±750KHz ≥60dB@fo±1.98MHz	N/A	N/A	N/A
Gain Flatness	≤7dB		≤12dB		≤4.5dB
Output Power	+7dBm				+10dBm
Shutdown Level	≥ +9dBm				≥ +12dBm
ALC Level	≥ +7dBm				≥ +10dBm
NF	≤7dB				
Dimensions	100mm x 80mm x 34mm				

<Common Ratings>		
<ul style="list-style-type: none"> ● Max. Gain : 50dB ±2dB ● Impedance : 50Ω ● Operating Temperature : -30℃ ~ +60℃ 	<ul style="list-style-type: none"> ● AGC Range : ≥ +10dB ● RF Connector : SMA (Female) ● Operating Humidity : 5% ~ 85% 	<ul style="list-style-type: none"> ● VSWR : ≤ 2.0:1 ● Power Supply : 5V / 2A ● Weight : ≤800g