

Cover4G25K

Cover4G100K

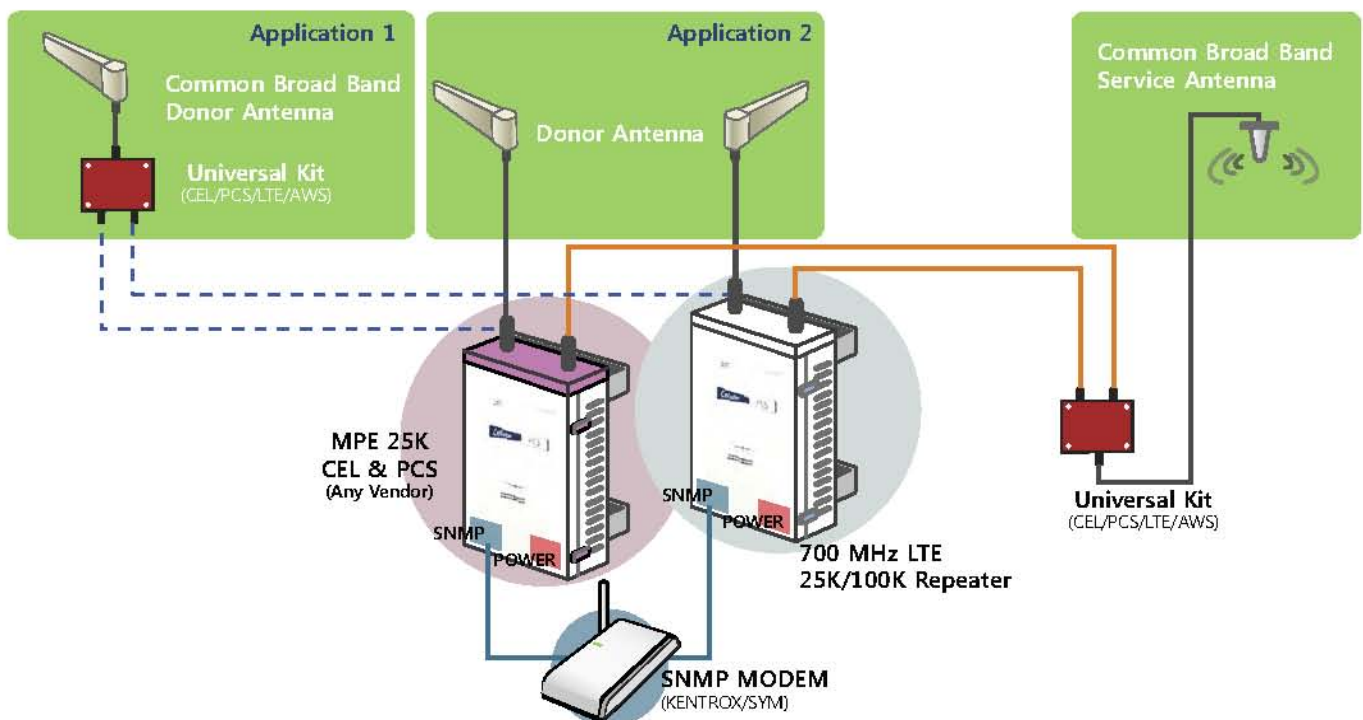
700MHz LTE Digital Repeater



FEATURES

- Field adjustable band selection (Digital Filter)
 - Any 700 MHz band A,B, C combination
 - Contiguous and Non-contiguous Compatible
- High Compatibility with PCS/Cellular networks
- 2 RF Power Options (24dBm & 30dBm)
 - Ability to change RF power amplifier module
 - 25K (24dBm), 100K (30dBm)
- Automatic Gain Setting & Setup
- Small Lightweight and Low Power Consumption
- Remote Monitoring & Control

APPLICATION



Easy Installation & Deployment with existing Cellular/PCS service

SYSTEM SPECIFICATIONS

ITEM		LTE	
		Downlink	Uplink
Frequency Range (MHz)		Upper C: 746 - 757	Upper C: 776 - 787
		Lower A: 728 - 734	Lower A: 698 - 704
		Lower B: 734 - 740	Lower B: 704 - 710
Bandwidth		Upper Band : 11MHz/Total	
		Lower Band : 6MHz/Band	
Gain/Adjust Range (Repeater)	25K	59dB - 79dB/30dB	
	100K	65dB - 85dB/30dB	
Ripple		1dBp-p	
Output Power	25K	24dBm	
	100K	30dBm	
Waveform Quality (EVM) (Stability)		8% @CPL 15dB	12.5% @CPL 15dB
Noise Figure		7dB (Prefer 5dB) @Max Gain	
System Delay		6us (Prefer 3us)	
VSWR		1.5 : 1	
Function		Automatic Gain Balance	
Out-of-Band Emissions		A,B,C : 43+10logP-100kHz/30kHz	A,B : 43+10logP-100kHz/30kHz C : 43+10logP
Single Tone Interference		≤ Input CW -40dBm (Operating band+/- 1MHz)	
Intermodulation Interference		≤ 10dB	

MECHANICAL SPECIFICATIONS

Item	Specification	Remark
RF Connector	N-Type Female	Donor & Coverage Antenna Port
AC Power Connector	MS3102A-10SL (3Pin)	
AC Supply	AC 100-125VAC 60Hz	
Main Unit / HPA Dimensions	12 x 13.5 x 6.3 / 12 x 4 x 5.6	Inches
Net Weight	40	Pounds
Operation Temperature	14°F - 122°F	Convection cooling
Humidity	5% - 85%	Non-condensing