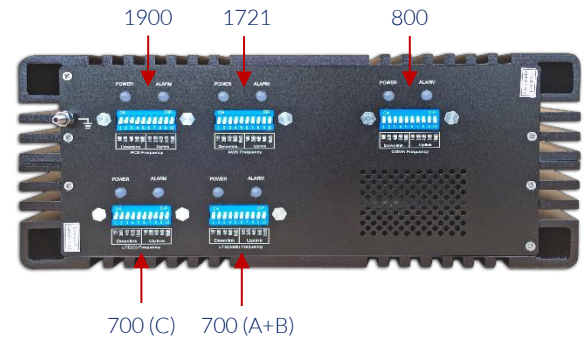


## SPECIFICATIONS

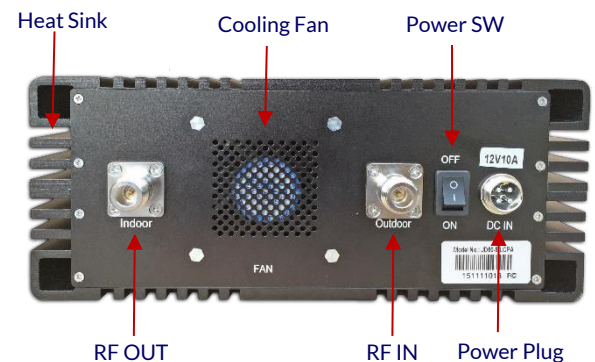
3  
YEAR  
WARRANTY

Electrical Specification			Uplink		Downlink	
Frequency Range	700 MHz	(A&B)	698~716 MHz		728~746 MHz	
		Upper (C)	776~787 MHz		746~757 MHz	
	800 MHz		824~849 MHz		869~894 MHz	
	1900 MHz		1850~1910 MHz		1930~1990 MHz	
	1721 MHz		1710~1780 MHz		2110~2180 MHz	
Max .Gain	JDIR-LCPA-20		≥65dB		≥70dB	
	JDIR-LCPA-27		≥70dB		≥75dB	
Max .Output Power	JDIR-LCPA-20		15±2dBm		20±2dBm	
	JDIR-LCPA-27		20±2dBm		27±2dBm	
Band Width			Wide Band			
Manual Gain Control			≥ 31dB			
Intermodulation Products	9KHz~1GHz		≤ -36dBm		≤ -36dBm	
	1GHz~12.75GHz		≤ -30dBm		≤ -30dBm	
LTE System	9KHz~1GHz		≤ -36dBm			
	1GHz~12.75GHz		≤ -30dBm			
	Peak Code Domain Error		≤ -35dB @ Spreading Factor 256			
CDMA System	Rho		ρ > 0.980			
	ACPR		Meet IS95 & CDMA2000			
PCS & AWS System	Spurious Emission Mask		Meet 3GPP TS 25.143(V 6.2.0)			
	Modulation Accuracy		≤ 12.5%			
	Peak Code Domain Error		≤ -35dB@Spreading Factor 256			
Gain Flatness			CDMA & LTE & AWS ≤ 6dB / PCS ≤8dB			
Noise Figure			≤ 8dB			
VSWR			≤2			
Group Delay			≤ 1.0μs			
LED Alarm			Standard			
Power LED			Power Indicator			
ALC LED			Orange @ ALC 1~5dB, Red @ ALC15dB~20dB			
			LED off after 5 seconds red color (MUTE ACTIVE)			
Mechanical Specifications			Standard			
I/O Port			N-Female			
Impedance			50 ohm			
Operating Temperature			-25°C--+55°C			
Environment Conditions			IP40			
Dimensions			20dBm	250 x 330 x 104mm / 9.8 x 13 x 4 Inches		
			27dBm	250 x 450.9 x 104mm / 9.8 x 17.75 x 4 Inches		
Weight			≤8.0Kg / 18Lbs			
Cooling Fan			3" Brushless @ 12v			
Power Supply			Input AC90~264V, Output DC12V / 11.5A			

### DIP SWITCH ADJUSTMENTS



### Mount Holes



## FEATURES:

The JDIR- LCPA Series Cellular Repeater is a high-powered, gain adjustable quad band repeater engineered for use in industrial DAS application needing to provide enhanced cellular coverage for Voice, 3G and 4G high speed data. JDTECK's repeaters are built with carrier level optimization in mind, therefore only the highest quality components are used. These include low noise amplifiers with high linearity, properly specified and set output power limits and well-designed alarm/protection circuitry.

- Unlimited Call Capacity • Industry Leading Quad Band Repeater • 75dB Gain ~ 20/27dBm Output Power • FCC Type Approved • 36 Months Warranty
- 30 Day Money Back Guarantee • MUTE - Auto Shut Down if oscillation is detected • MGC: Manual Gain Control (UL & DL) • Automatic Limit Control Feature
- Coverage Area - (18,000 - 80,000 sqft) • Supports 90-240 Volts • Alarm LED's for Error Detection • Supports Any Cellular Device (Voice & Data) • AGC Feature
- Carrier Grade Performance & Quality • Phone Tech Support That's Second to None and is Free!