

## Features

- High linearity & low noise amplifiers for maximal coverage
- Compact size with high reliability
- Simple installation
- Automatic Gain Control (AGC),
- Automatic gain balance for UL & DL channels
- Coupled antenna port for installation of two indoor antennas
- Designed to transmit CDMA Signal and meet IS-95, CDMA2000 standards when using IF SAW filter.\*



## Product Description

Cellvine's highly compact indoor repeater has been designed to enhance and extend cellular coverage into small size buildings, restaurants, underground areas, office buildings and other similar indoor environments.

The unit is very simple to install and can be set to automatically obtain maximal coverage. Installing the unit requires two antennas: one on the outside of the building to receive incoming cellular signals from nearby base stations, and the other antenna/antennas inside the indoor coverage area. The unit is connected between the Outdoor & Indoor antennas to amplify both the base station and the mobile cellular signals.

When using a modem the repeater can be controlled by a remote PC terminal using Cellvine's GUI and management system. In this mode alarms can be managed from remote.

1. Custom frequency bands also available.

- The Repeater configuration can be Channel Selective at different rejection levels according to the customer definition.

M	Modem
B	IF SAW filter
J	Adjustable IF filter
C	Ceramic filter

## Specifications

Parameter	Specifications
Frequency Range <sup>1</sup>	DL : 1930-1990Mhz UL : 1850-1910Mhz
Output Composite Power <i>IS-95 , 1FA -45dBc ACPR</i>	18dBm
System Max Gain	80dB
Noise Figure	5 dB
Gain range	+30 in 1dB step[
VSWR	2:1 MAX
Operating conditions	Indoor (-5 to +45C ) 1. Green Led: Power 2. Red Led: Alarm 3. Manual gain adjustment screws 4. AGC UL, AGC DL on/off switch. Set or Read repeater parameters, Alarms and status using GUI from local PC\Laptop\PDA or remotely
Manual Indicators \ Controls	Using cellular MODEM. Cellular data modem , Cellular SMS modem RS232 cable or Bluetooth modem
Repeater Control	
Repeater Control interface Options	350mm X 220mm X 50mm
Dimension	12VDC, 3A Max. from included power supplier
Power Requirements	Base - N female Mobile - N female
RF Connector	