



**CP11002**  
**Mini repeater**  
UMTS-2100  
Mini Repeater

### ***BENEFITS***

- **Compact with High Performance**
- **Easy installation**
- **Low maintenance**

### ***DESCRIPTION***

The **CP11002** from Combilent is a mini-repeater designed for use in larger rooms such as shops and single floor offices. The unit is designed for high reliability and simple application, with minimal configuration required.

For flexibility and ease of installation, the repeater is designed for use with external donor and service antennas.

Gain is adjustable on the unit using DIP switches, meaning that external programming tools are not required

The repeater also has AGC control, meaning that it will remain stable under overload conditions and will not cause adverse effects in the network

Combilent mini repeaters are small, lightweight and easy to mount and do not necessitate remote supervision.

If required, remote control and alarm monitoring is available through optional built-in SMS messaging – please contact Combilent for further information.





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## **PERFORMANCE CHARACTERISTICS**

Specifications apply across the operating temperature range and frequency band unless otherwise stated.

Pass band	
Down link	2110 - 2170 MHz
Up link	1920 – 1980 MHz
Band width	5, 10, 15, 20 MHz according to requirement
Gain	70 dB +/- 2 dB
Adjustable gain range	30 dB in 1 dB steps
Gain flatness	< +/- 2.5 dB
AGC range	> 15 dB
Output power	> 17 dBm
EVM	< 12 %
PCDE	< -35 dBm
ACPR	According to 3GPP 25.106
Intermodulation	According to 3GPP 25.106
Spurious emission	According to 3GPP 25.106
Noise figure	< 4 dB
Return loss	> 10 dB
Group delay	< 4 $\mu$ s
Tx/Rx isolation	> 80 dB
Power supply	110-240V AC using external adaptor
Operating temperature	0°C to +55 °C
Alarm indicators (LEDs)	AGC out of range, Output power
Size	250*210*90 mm
Weight	5 kg
Connectors	N-female
Environment	Indoor