

## EV9910B

### Evaluation Kit for the CMX991

The EV9910B allows the evaluation of the CMX991 Quadrature/Low IF Transceiver. The CMX991 is an RF Transceiver IC providing I/Q modulator and up-conversion, superheterodyne receiver and IF local oscillator.

#### Features

- Allows Full Evaluation of the CMX991
- Operational (Evaluation) Frequency Range: 100MHz to 1GHz
- 450 to 470 MHz Default Operation
- CMX991 IC
- **Receiver:**
  - LNA
  - I/Q or IF Output
  - Selectable IF filters
  - Test Access
- **Transmitter:**
  - IF and RF Outputs
  - I/Q Input Interface
  - Gain Control
  - Optional O/P Filter and Buffer
- PC Control Interface Available

#### Applications

- For the Evaluation, Demonstration and Design-In of the CMX991 (I/Q) Quadrature/Low IF Transceiver IC

#### Supply Requirement

- 7.2 V (typ)

*For further information, please refer to the 'Design Resources' section on the CMX991 product page at [cmlmicro.com](http://cmlmicro.com)*

Access is provided to all CMX991 RF, baseband and control signals by either connectors or test points.

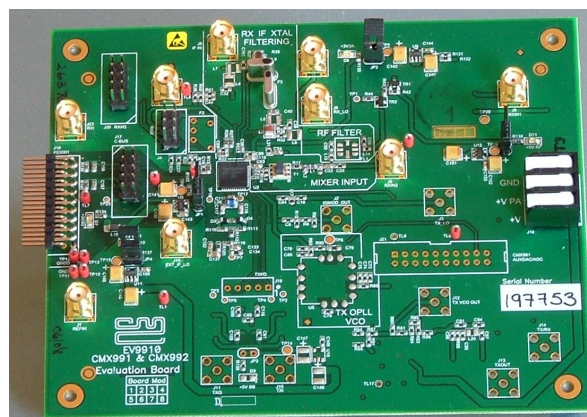
Test access points are available to accept common test equipment, such as RF and baseband signal generators and spectrum analysers. All signal paths are matched by suitable components.

The EV9910B provides an optional lumped bandpass filter plus buffer amplifier at 460MHz (default) to aid evaluation. The overall evaluation frequency range of this Evaluation Kit is for RF frequencies between 100MHz and 1GHz, with default operation over 450MHz to 470MHz.

This flexible Evaluation Kit enables users to configure and evaluate the CMX991 device for various applications and frequency bands.

The on-board CMX991 is controlled via its C-BUS serial interface. The PE0003 Universal Interface Card is available separately to support PC-based control of the EV9910B.

Both EV9910B and EV9920B Evaluation Kits are similar and use the same printed circuit board, with different components fitted. The User Manual is also common to both kits.



EV9910

## WHAT TO DO NEXT

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## CML Microcircuits Benefits

### Faster time to market

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### Design flexibility

CML's *FirmASIC*<sup>®</sup> reconfigurable technology with the use of a Function Image upload enables a single hardware platform to be used for multiple communications systems.

### High Quality

With 100% of products being tested before shipping, customers are assured of the highest reliability.

### Product Longevity

Designing with CML products, manufacturers are rewarded with longer product life cycles and a stable BOM, ensuring minimum engineering costs and maximum profit.

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Being at the forefront of low power chip technology, manufacturers can develop smaller equipment with extended battery life.

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