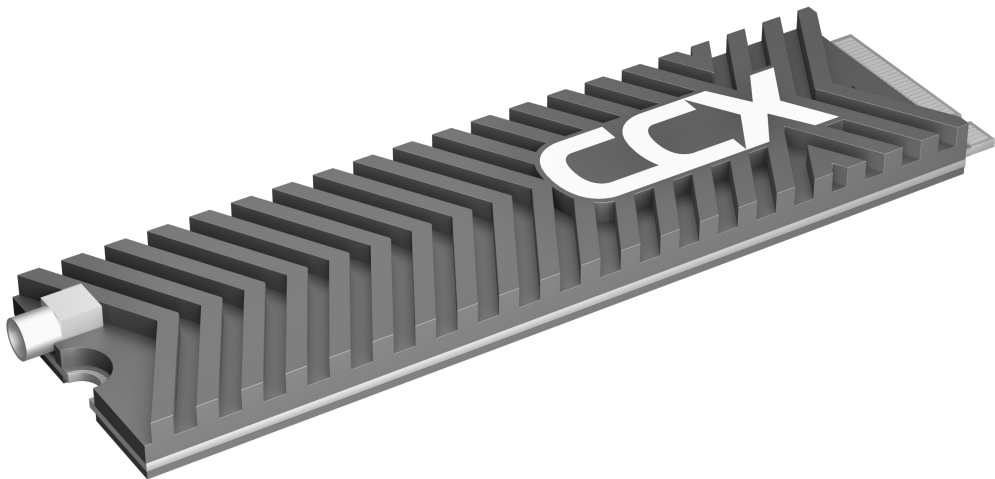


EC-100

1RX Wideband Software Defined Radio



The EC-100 is a modern receive-only wideband software defined radio (SDR) M.2 Plugin Card that can support demanding security and connectivity tasks. This revolutionary SDR can receive frequencies up to 9 GHz, with a bandwidth of up to 800 MHz.

Featuring a 16-bit Analog-to-Digital (ADC) converter providing an exceptional dynamic range, the EC-100 can detect and decode very weak signals even in the presence of extreme interfering noise all in a standard M.2 2280 M-key form factor (the same form factor as an M.2 NVMe plugin card).

Features

- M.2 2280 form factor (equivalent to M.2 NVMe)
- M.2 M-Key, PCIe x4
- MMCX Coax Connection
- High speed data transfers
- Seamlessly integrate into existing embedded platforms (including CCX Technologies's AP-250)
- Wide bandwidth to support demanding applications
- Additional DSP functionality in the FPGA
- High signal-to-noise ratio and low noise floor
- Integrated clock input (OCXO) with low jitter and low wander

More Information: info@ccxtechnologies.com
ccxtechnologies.com

Technical Information

Dimensions	3.24"L x 0.866"W x 0.195"H
Connectors	MMCX Coax, M.2 M-Key
Bandwidth	800 MHz
Frequency Range	0-9 GHz
Environmental Qualifications	RTCA DO-160G

Interfaces

QTY	Interfaces	Standards
1	RF Input	0-9 GHz, 3.3 V DC Bias Voltage (for active antennas)
1	Data Output	PCIe 2.0/3.0 x1/x4

