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USRP™ B200 & B210 Memory & Certificate of Volatility

This document describes all memory types present on the Ettus Research™ USRP™ B200 series and how to remove all software from the device.

Memory Types

This section contains information on the memory components used in the USRP B200 series, including details on the size, type, purpose, location, volatility, and the required sanitization procedure.

The device uses both volatile and non-volatile memory types. The volatile memory in the device does not have battery backup and therefore does not retain any information when power is removed. On the other hand, the non-volatile memory requires specific sanitization procedures to clear it of any data.

The following reference table will provide a breakout of the memory types used on the USRP B200 series which currently includes both the USRP B200 and the USRP B210.

Memory Type & Model	Memory Size	Volatile	Purpose/Contents	Location	Sanitization Procedure
FPGA - Xilinx XC6SLX75-3FGG484C (B200) - Configuration Memory - User Memory XC6SLX150-3FGG484 (B210) - Configuration Memory - User Memory	19.6 Mbits 3 Mbits 33.8 Mbits 4.8 Mbits	Yes	Configuration and Digital Signal Processing Data	U001	1
EEPROM - Microchip 24LC256T-I/SN	256 Kbits	No	Model number and serial number. Contains no user data.	U700	2

Sanitization Procedures

This section contains information on sanitization procedures required to clear all software from the USRP B200 series devices.

Procedure 1

Remove power to clear all volatile memory.

Procedure 2

Although the onboard EEPROM can be cleared, it is not necessary as it does not contain any user data.