


Statement of Volatility

EtherScope nXG Portable Network Expert

The following Statement of Volatility is for informational purposes only. For complete information about the EtherScope nXG specifications, please see the User Guide.

The table below shows the corresponding memory and/or store types for the EtherScope nXG.

EtherScope nXG: The EtherScope nXG utilizes both volatile and non-volatile memory. The data that the instrument collects from its network connections are stored in a combination of volatile RAM and non-volatile Flash and removable micro SD card memory. When the EtherScope nXG is powered off, all data in volatile RAM is lost. The EtherScope nXG can utilize external, non-volatile Micro SD Flash and USB drive devices for storage of configuration information and reports. Non-volatile flash memory is used for storing Operating System software parameters and user data.

If the user enters **Android Settings**  goes to **System > Reset Options**, and selects "**Erase all data (factory reset)**," all internal storage (volatile and non-volatile) will be reset to the factory state (with the exception of Android operating system updates). Any data stored on external devices including the micro SD card or USB drive will not be erased. To erase the data on these devices, remove and destroy the devices. These devices are available to the user without any disassembly.

List of memory types and their use in the product are shown below.

Reference Designator	Memory Type	Volatility	Volatility Description
Board 1 U400	Processor SRAM (2 MB)	Volatile	Software Cache
Board 1 U500	LPDDR4 System DRAM (3 GB)	Volatile	System Code and Data
Board 1 U900	EEPROM (256 KB)	Non-Volatile	System Serial Number, System MAC Address
Board 1 U902	Main Flash Memory (16 GB) EMMC	Non-Volatile	Primary Code Image, Test Statistics
Board 1 J1900 (left side of unit)	Micro SD card connector (8 GB depending on card used)	Non-Volatile	User Data – Removable Media
Board 1 U2602	Parametrics Embedded Controller (256 KB) Flash	Non-Volatile	Embedded Controller Code Space, Calibration Data, No User Data
Board 1 U2602	Parametrics embedded controller (64KB) SRAM	Volatile	No User Data

Board 1 U3000	USBc PD program (1MB) Flash	Non-Volatile	USBc Program Data, No User Data
Board 2 U600	FPGA internal memory 440 (M20K) blocks	Volatile	Various Logic Elements
Board 2 U600	FPGA Memory (256MB) flash	Non-Volatile	FPGA Program Data, No User Data
Board 2 U1300	FPGA capture memory (1GB) DRAM	Volatile	User Capture Data
Board 2 U1250	PHY memory (2MB) flash	Non-Volatile	PHY Configuration, No User Data
Board 2 U2301	Embedded controller (128KB) flash	Non-Volatile	Embedded Controller Code Space, Calibration Data, No User Data
Board 2 U2301	Embedded controller (64KB) SRAM	Volatile	Embedded Controller Data Space, No User Data