

Letter of Volatility

**ALIF1102R, ALIF2102R, ALIF1122R, ALIF2122R, ALIF1102T, ALIF2102T, ALIF1122T,
ALIF2122T, ALIF1104T, ALIF2104T, ALIF1124T, ALIF2124T**



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To whom it may concern,

The ALIF units (as listed above) are comprised of a System-on-Chip (SoC) containing a processor subsystem and FPGA, SDRAM memory, and several FLASH memory devices. Interconnects between these circuits are not accessible from outside the unit. Units all have the memory elements detailed below unless otherwise noted.

Memory Type	Function / Purpose	User Accessible?	ALIF1102R	ALIF2102R	ALIF1122R	ALIF2122R	ALIF1102T	ALIF1104T	ALIF1122T	ALIF1124T	ALIF2102T	ALIF2104T	ALIF2122T	ALIF2124T	Volatile / Non-Volatile	Process to clear
FLASH	Serial NOR Flash Configuration bitstream for Ethernet PHY(s)	No (1)	1Mbit		N/A		1Mbit		N/A		1Mbit		N/A		Non-volatile	None (No user data)
FLASH	Serial NOR Flash Configuration code for Video Receiver(s)	No (1)	N/A				4Mbit	N/A	4Mbit	N/A	8Mbit	N/A	8Mbit	N/A	Non-volatile	None (No user data)
SRAM	Video Receiver internal EDID RAM	No	N/A				N/A	256 Byte	N/A	256 Byte	N/A	512 Byte	N/A	512 Byte	Volatile	Power off
DRAM	DDR3 SDRAM Temporary storage of program code and working data for the SoC.	No	8Gbit				4Gbit							Volatile	Power off	
FLASH	Serial NOR Flash Configuration bitstream and boot image for SoC.	No (1)	512Mbit												Non-volatile	None (No user data)
FLASH	eMMC NAND Flash Operating system. Program code. Configuration and unit identification data.	No (1)	8GByte												Non-volatile	Perform Factory reset to erase user data and load default values
SRAM	SoC on-chip SRAM and Cache Provides temporary storage of program code and working data.	No	Unknown												Volatile	Power off

(1) Content modification by user limited to downloading of digitally signed Adder firmware upgrade images and entering of configuration data using the provided on-screen display (OSD) or ADDERLink INFINITY Manager (AIM).

End of document.

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Signed: