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## Letter of Volatility

The table below shows the types of onboard memory in the following Kinesis products as of August 10, 2023

Product Name	Programming Engine	Part Numbers*	Storage type	Storage Size	Volatility	Usage	Access restrictions
Savant Elite2 foot pedal	SmartSet	FPMJ2, FPMJ4, FP10J, FP20A, FP30A, FP30AJ, FP10Jxx, FP20Axx, FP20AJxx, FP30Axx, FP30AJxx	NAND Flash	4 MB	Non-volatile	Storing configuration files	User accessible
			SRAM	32 KB	Volatile	Microcontroller operation	In microcontroller, not user accessible
			Flash	256 KB	Non-volatile	Firmware	In microcontroller, not user accessible
Advantage2 keyboard	SmartSet	KB600, KB600-DE, KB600-FR, KB600-JP, KB600-SE, KB600-UK, KB600LF, KB600LF(R), KB600LF-JP, KB600LFQ, KB600LFQ-DE, KB600LFQ-FR, KB600LFQ-JP, KB600LFQ-SE, KB600LFQ-UK, KB600QD, KB605, KB620-GR, KB690-UPKIT, KB699	NAND Flash	4 MB	Non-volatile	Storing configuration files	User accessible
			SRAM	32 KB	Volatile	Microcontroller operation	In microcontroller, not user accessible
			Flash	256 KB	Non-volatile	Firmware	In microcontroller, not user accessible
Advantage2 keyboard, memory locked	SmartSet	KB630, KB630LFQ	NAND Flash	4 MB	Non-volatile	Storing default or factory installed configuration files	Not user accessible
			SRAM	32 KB	Volatile	Microcontroller operation	Not user accessible
			Flash	256 KB	Non-volatile	Firmware	Not user accessible
Advantage360 keyboard	SmartSet	KB360-GBR, KB360-GBR-DV, KB360-KLQ, KB360-UPKIT	NAND Flash	8 MB	Non-volatile	Storing configuration files	User accessible
			SRAM	176 KB	Volatile	Microcontroller operation	In microcontroller, not user accessible
			Flash	512 KB	Non-volatile	Firmware	In microcontroller, not user accessible
Advantage360 Professional keyboard	ZMK	KB360-PRO-GBR, KB360-UPKIT-PRO	NAND Flash	N/A	N/A	N/A	N/A
			DRAM	256 KB	Non-volatile	Microcontroller operation	In microcontroller, not user accessible
			Flash	1MB	Volatile	Firmware upgrades only	Temporarily User Accessible
Freestyle Edge RGB keyboard	SmartSet	KB975-BLU, KB975-BRN, KB975-RED, KB975-SIL,	NAND Flash	4 MB	Non-volatile	Storing configuration files	User accessible
			SRAM	32 KB	Volatile	Microcontroller operation	In microcontroller, not user accessible
			Flash	256 KB	Non-volatile	Firmware	In microcontroller, not user accessible
Freestyle Edge RGB keyboard, memory locked	SmartSet	KB980-BRN	NAND Flash	4 MB	Non-volatile	Storing default or factory installed configuration files	Not user accessible
			SRAM	32 KB	Volatile	Microcontroller operation	Not user accessible
			Flash	256 KB	Non-volatile	Firmware	Not user accessible
Freestyle Pro keyboard	SmartSet	KB900-BRN, KB900-RDQ,	NAND Flash	4 MB	Non-volatile	<i>Storing default or factory installed configuration text files</i>	User accessible
			SRAM	32 KB	Volatile	Microcontroller operation	Not user accessible
			Flash	256 KB	Non-volatile	Firmware	Not user accessible

Product Name	Programming Engine	Part Numbers*	Storage type	Storage Size	Volatility	Usage	Access restrictions
Freestyle2 keyboard & Keypad (2023+)	N/A	KB800HMB-us, KB800HMB-us-20, KB800PB-de, KB800PB-de-20, KB800PB-dk, KB800PB-fc, KB800PB-fr, KB800PB-no, KB800PB-se, KB800PB-se-20, KB800PB-uk, KB800PB-uk-20, KB800PB-us, KB800PB-us-20, KB820HMB-us, KB820PB-us, KB830HMB-us, KB830PB-us, AC800HPB-us	NAND Flash	2 MB	Volatile	Firmware upgrades only	Temporarily User Accessible
			SRAM	264 kB	Volatile	Microcontroller operation	Not user accessible
			Flash	2 MB	Non-volatile	Firmware	Not user accessible

Freestyle2 Blue keyboards	N/A	KB800MB-BT, KB800PB-BT	NAND Flash	256 KB	Non-volatile	Storing default or factory installed configuration files	Not user accessible
			SRAM	80 KB	Non-volatile	Microcontroller operation	Not user accessible
			Flash	384KB	Non-volatile	Firmware	Not user accessible
Mechanical keypad	N/A	AC210USB-blk	NAND Flash	N/A	N/A	N/A	N/A
			DRAM	256 KB	Non-volatile	Microcontroller operation	Not user accessible
			Flash	8 KB	Non-volatile	Firmware	Not user accessible
JSB Foot Pedals	N/A	FSMJ2-JSB, FSMJ4-JSB, FS12J-JSB, FS22A-JSB, FS22AJ-JSB, FS32A-JSB, FS32AJ-JSB	NAND Flash	N/A	N/A	N/A	N/A
			DRAM	256 KB	Volatile	Microcontroller operation	Not user accessible
			Flash	8 KB	Non-volatile	Firmware	Not user accessible
TKO Keyboard	SmartSet	KBTKO-KBB, KBTKO-KBR, KBTKO-KBW, KBTKO-WKIT,	NAND Flash	8 MB	Non-volatile	Storing configuration files	User accessible
			SRAM	32 KB	Volatile	Microcontroller operation	In microcontroller, not user accessible
			Flash	256 KB	Non-volatile	Firmware	In microcontroller, not user accessible

\*(R) in a part number indicates a refurbished version which is electronically identical to the primary part number