

# Micron® DRAM Memory Support for Ambarella™ Platforms

Save yourself time and money—Micron memory comes **validated** on Ambarella platforms

Micron DRAM & Flash	Automotive	Drones	IP Cameras/Surveillance	Consumer	Product	LPDDR4/x	LPDDR4x	NAND + LPDDR3 MCP	eMMC 5.1 + LPDDR3 eMCP	LPDDR3	LPDDR2	DDR3L	DDR4
					Family	MT53	MT53	MT29U	MT29T	MT52	MT42	MT41K	MT40A
					Voltage (Core)	1.1V	1.1V	1.2V		1.2V	1.2V	1.35V	1.2V
					Speed	2133 MHz	2133 MHz	30 MB/s, 933 MHz	1066 MHz	up to 1066 MHz	533 MHz	666–800 MHz	1200–1600 MHz
					Width	x32, x64	x16	x8, x32	x8, x32	x32, x64	x32	x16	x16
					Density	4Gb-64Gb	2Gb-8Gb	4Gb NAND+ 8Gb LPDDR3	16Gb eMMC + 16Gb LPDDR3	8Gb–32Gb	4Gb, 8Gb	1Gb–8Gb	8Gb
Ambarella Platforms	■	■	■	■	CV25	P							P
	■	■	■		CV2	✓							
	■	■	■	■	CV22	✓							
	■	■			CV1	✓							
	■	■		■	H32		P						P
	■	■		■	H22	✓		✓	✓			✓	
		■		■	H2				✓			✓	
	■	■		■	H12							✓	
			■	■	S6LM		P						P
			■		S5					✓		✓	
			■		S5L					✓		✓	
			■		S3L			✓		✓		✓	
			■		S3					✓		✓	
			■		S2L			✓		✓		✓	
			■		S2E							P	
			■		S2			✓		✓		✓	
	■				A9AQ							✓	
■				A12AQ							✓		
	■		■	A9S			✓		✓	✓	✓		
■	■		■	A12			✓		✓	✓	✓		

P = Pending validation. Please verify exact configuration and specification with your Ambarella or Micron representative.

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# Micron® Flash Memory Support for Ambarella™ Platforms

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Micron DRAM & Flash		Automotive	Drones	IP Cameras/Surveillance	Consumer	Product	e.MMC	SLC NAND	SPI NAND	SPI NOR	i200 uSD Card
						Family	MTFC	MT29F	MT29F	MT25Q	MTSD
						Voltage (Core)	1.8V	1.8V	1.8V	1.8V, 3V	1.8V, 3V
						Speed	v4.41/4.51/5.0/5.1 HS200, HS400	30 MB/s	30 MB/s	166 MHz	Class 10 SDA 3.0 UHS-1
						Width	x1, x4, x8	x8	x1, x2, x4	x1, x4	
						Density	2GB–128GB	1Gb–8Gb	1Gb–4Gb	128Mb-2Gb	8GB-1TB
Ambarella Platforms						CV25		P	P	P	P
						CV2		✓ <sup>2</sup>	✓	P	
						CV22		✓ <sup>2</sup>	✓	P	P
						CV1	✓	✓ <sup>2</sup>	✓	✓	P
						H32	P		P		
						H22	✓	✓ <sup>1</sup>		✓	
						H2	✓	✓ <sup>1</sup>		✓	
						H12	✓	✓ <sup>1</sup>			
						S6LM	P		P		
						S5	✓	✓			
						S5L	✓	✓ <sup>1</sup>			
						S3L	✓	✓ <sup>1</sup>		✓	
						S3	✓	✓ <sup>1</sup>			
						S2L	✓	✓ <sup>1</sup>		✓	
						S2E	P	P	P	P	
						S2	✓	✓ <sup>1</sup>			
						A9AQ	✓	✓ <sup>1</sup>		✓	
					A12AQ		✓ <sup>1</sup>				
					A9S		✓ <sup>1</sup>				
					A12	✓					

P = Pending validation. Please verify exact configuration and specification with your Ambarella or Micron representative. 1. MT29F devices with 2K page support 2. M78, M79A, M70A devices.

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