

DDR3 SDRAMs (2Gb & 4Gb) resistant against Rowhammer- and RAMBleed-Hacks

DDR3	Type	Voltage	Package	Status	Base P/N	Speed options
2Gb	128Mx16	1.5V	FBGA-96	MP	A3T2GF40CBF	HP = 1866 @ CL13, GM = 1600 @CL11
2Gb	256Mx8	1.5V	FBGA-78	MP	A3T2GF30CBF	HP = 1866 @ CL13, GM = 1600 @CL11
2Gb	128Mx16	1.35V	FBGA-96	MP	A3T2GF40CBF	HPL = 1866 @ CL13, GML = 1600 @CL11
2Gb	256Mx8	1.35V	FBGA-78	MP	A3T2GF30CBF	HPL = 1866 @ CL13, GML = 1600 @CL11
4Gb	256Mx16	1.5V	FBGA-96	MP	A3T4GF40BBF	HP = 1866 @ CL13, GM = 1600 @CL11
4Gb	512Mx8	1.5V	FBGA-78	MP	A3T4GF30BBF	HP = 1866 @ CL13, GM = 1600 @CL11
4Gb	256Mx16	1.35V	FBGA-96	MP	A3T4GF40BBF	HPL = 1866 @ CL13, GML = 1600 @CL11
4Gb	512Mx8	1.35V	FBGA-78	MP	A3T4GF30BBF	HPL = 1866 @ CL13, GML = 1600 @CL11

Advantages:

- ◆ Immunity against Rowhammer- and RAMBleed-attacks
- ◆ All listed DDR3 SDRAMs are JEDEC-compliant and footprint-compatible
- ◆ The internal Rowhammer-Watchdog and blocking-circuit are both permanently running in the background, without affecting the overall performance
- ◆ Suitable for applications that could be attacked via a network connection (even wireless)
- ◆ Especially suitable for critical infrastructure applications like supplier, traffic, logistics, public authorities and industrial communication areas

Availability:

- ◆ DDR3 2Gb & 4Gb samples available now / Q1 2020
- ◆ Roadmap: DDR4 4Gb & 8Gb samples available in Q2 2020, all Rowhammer-Free
- ◆ Datasheets DDR3 available now / Q1 2020

