

Intel MIO

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LPDDR4 SDRAM Validation Results

Listed below are validation results from a small sample of LPDDR4 SDRAMs tested on Intel client reference platforms (DRAM down). We are providing this information as a guide to memory compatibility with Intel reference platforms and in accordance to Intel platform memory POR (Plan of Record). This testing is not intended to replace the normal OEM component qualification process. For results on specific Intel motherboards or OEM production motherboards, please refer to the OEM's list of qualified memory suppliers

LPDDR4-3200/3733 (200ball) tested on ATE at native frequency and downbinned to 2400Mbps at the platform

DRAM supplier	DRAM part number	PKG size	Die per Ch	PKG stacking	PKG width	Die rev	Date code
Micron	MT53B256M32D1NP-062 WT:C	8Gb	4Gb	DDP	x32	C	1642
Micron	MT53B384M32D2NP-062 WT:B	12Gb	6Gb	DDP	x32	B	1642
Micron	MT53B512M32D2NP-062 WT:C	16Gb	4Gb	QDP	x32	C	1644
Samsung	K4F8E304HB-MGCJ	8Gb	4Gb	DDP	x32	B	1610
Samsung	K4F2E3S4HM-MGCJ	12Gb	6Gb	DDP	x32	M	1605
Samsung	K4F6E304HB-MGCJ	16Gb	4Gb	QDP	x32	B	1616
Samsung	K4FHE3D4HM-MGCJ	24Gb	6Gb	QDP	x32	M	1622
SK hynix	H9HCNNN8KUMLHR-NME	8Gb	4Gb	DDP	x32	M	1641
SK hynix	H9HCNNNBPUMLHR-NME	16Gb	4Gb	QDP	x32	M	1640
SK hynix	H9HCNNNAHUMLHR-NME	12Gb	6Gb	DDP	x32	M	1632

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Approved test labs

The following test labs have the capability of performing ATE and system-level testing.

For further information, please contact:

Advanced Validation Labs

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