

# Intel Platform Memory Operations

## DDR4 2666 non-ECC UDIMM Validation Results

Listed below are the results from a small sample of DDR4 2666 nECC UDIMM modules tested on Intel X299 reference platforms, using Intel® Core™ X-series Processors (i5-76xx series, i7-77xx series, i7-78xx series & i9-79xx series); and in accordance to Intel platform memory POR (Plan of Record). For DIMM per channel loading configuration, please refer to the Intel® Core™ X-series processor family datasheet.

We are providing this information as a guide to memory capability with Intel X299 based platforms, it is not intended to replace the normal customer component qualification process.

For results on specific customer X299 production motherboards, please refer to that customer's list of qualified memory suppliers.

# DDR4-2666 (19-19-19) nonECC UDIMM

DIMM Supplier	DIMM Part Number	Material Type	DIMM Size	DIMM Speed	CL	Raw Card	DRAM Vendor	DRAM Part Number	DRAM Density	DRAM Date Code	DRAM Width	DRAM Die Rev
Crucial	CT4G4DFS8266.8FB1	UDIMM n-ECC	4GB	2666	19	A1	Micron	MT40A512M8RH-075E:B	4Gb	1648	x8	B
Crucial	CT8G4DFS8266.8FB1	UDIMM n-ECC	8GB	2666	19	A1	Micron	MT40A1G8WE-075E:B	8Gb	1620	x8	B
Crucial	CT16G4DFD8266.16FB1	UDIMM n-ECC	16GB	2666	19	B1	Micron	MT40A1G8WE-075E:B	8Gb	1632	x8	B
Crucial	CT8G4DFD8266.16FB1	UDIMM n-ECC	8GB	2666	19	B1	Micron	MT40A512M8RH-075E:B	4Gb	1648	x8	B
Crucial	CT8G4DFS8266.8FD1	UDIMM n-ECC	8GB	2666	19	A2	Micron	MT40A1G8WE-075E:D	8Gb	1646	x8	D
Crucial	CT16G4DFD8266.16FD1	UDIMM n-ECC	16GB	2666	19	B1	Micron	MT40A1G8WE-075E:D	8Gb	1646	x8	D
Crucial	CT8G4DFS8266.8FH1	UDIMM n-ECC	8GB	2666	19	A2	Micron	MT40A1G8SA-075:H	8Gb	1711	x8	H
Crucial	CT16G4DFD8266.16FH1	UDIMM n-ECC	16GB	2666	19	B1	Micron	MT40A1G8SA-075:H	8Gb	1711	x8	H
Crucial	CT8G4DFS8266.8FE1	UDIMM n-ECC	8GB	2666	19	A2	Micron	MT40A1G8SA-062E:E	8Gb	1744	x8	E
Crucial	CT16G4DFD8266.16FE1	UDIMM n-ECC	16GB	2666	19	B1	Micron	MT40A1G8SA-062E:E	8Gb	1744	x8	E
Kingston	KVR26N19D8/16	UDIMM n-ECC	16GB	2666	19	B1	SK hynix	H5AN8G8NAFR-VKC	8Gb	1643	x8	A
Kingston	KVR26N19D8/16	UDIMM n-ECC	16GB	2666	19	B1	Micron	MT40A1G8SA-075:H	8Gb	1710	x8	H
Kingston	KVR26N19S8/8	UDIMM n-ECC	8GB	2666	19	A2	Micron	MT40A1G8SA-075:H	8Gb	1710	x8	H
Kingston	KVR26N19S8/8	UDIMM n-ECC	8GB	2666	19	A2	SK hynix	H5AN8G8NAFR-VKC	8Gb	1643	x8	A
Kingston	KVR26N19S8/8	UDIMM n-ECC	8GB	2666	19	A2	Micron	MT40A1G8SA-075:E	8Gb	1744	x8	E
Kingston	KVR26N19D8/16	UDIMM n-ECC	16GB	2666	19	B1	Micron	MT40A1G8SA-075:E	8Gb	1744	x8	E
Kingston	KVR26N19S8/8	UDIMM n-ECC	8GB	2666	19	A2	SK hynix	H5AN8G8NCJR-VKC	8Gb	1740	x8	C
Kingston	KVR26N19D8/16	UDIMM n-ECC	16GB	2666	19	B1	SK hynix	H5AN8G8NCJR-VKC	8Gb	1740	x8	C

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DIMM Supplier	DIMM Part Number	Material Type	DIMM Size	DIMM Speed	CL	Raw Card	DRAM Vendor	DRAM Part Number	DRAM Density	DRAM Date Code	DRAM Width	DRAM Die Rev
Micron	MTA8ATF51264AZ-2G6B1	UDIMM n-ECC	4GB	2666	19	A1	Micron	MT40A512M8RH-075E:B	4Gb	1648	x8	B
Micron	MTA8ATF1G64AZ-2G6B1	UDIMM n-ECC	8GB	2666	19	A1	Micron	MT40A1G8WE-075E:B	8Gb	1620	x8	B
Micron	MTA16ATF2G64AZ-2G6B1	UDIMM n-ECC	16GB	2666	19	B1	Micron	MT40A1G8WE-075E:B	8Gb	1632	x8	B
Micron	MTA16ATF1G64AZ-2G6B1	UDIMM n-ECC	8GB	2666	19	B1	Micron	MT40A512M8RH-075E:B	4Gb	1648	x8	B
Micron	MTA8ATF1G64AZ-2G6D1	UDIMM n-ECC	8GB	2666	19	A2	Micron	MT40A1G8WE-075E:D	8Gb	1646	x8	D
Micron	MTA16ATF2G64AZ-2G6D1	UDIMM n-ECC	16GB	2666	19	B1	Micron	MT40A1G8WE-075E:D	8Gb	1646	x8	D
Micron	MTA8ATF1G64AZ-2G6H1	UDIMM n-ECC	8GB	2666	19	A2	Micron	MT40A1G8SA-075:H	8Gb	1711	x8	H
Micron	MTA16ATF2G64AZ-2G6H1	UDIMM n-ECC	16GB	2666	19	B1	Micron	MT40A1G8SA-075:H	8Gb	1711	x8	H
Micron	MTA8ATF1G64AZ-2G6E1	UDIMM n-ECC	8GB	2666	19	A2	Micron	MT40A1G8SA-062E:E	8Gb	1744	x8	E
Micron	MTA16ATF2G64AZ-2G6E1	UDIMM n-ECC	16GB	2666	19	B1	Micron	MT40A1G8SA-062E:E	8Gb	1744	x8	E
Samsung	M378A2K43BB1-CTD	UDIMM n-ECC	16GB	2666	19	B1	Samsung	K4A8G085WB-BCTD	8Gb	1652	x8	B
Samsung	M378A1K43BB2-CTD	UDIMM n-ECC	8GB	2666	19	A2	Samsung	K4A8G085WB-BCTD	8Gb	1652	x8	B
Samsung	M378A2K43CB1-CTD	UDIMM n-ECC	16GB	2666	19	B1	Samsung	K4A8G085WC-BCTD	8Gb	1815	x8	C
Samsung	M378A1K43CB2-CTD	UDIMM n-ECC	8GB	2666	19	A2	Samsung	K4A8G085WC-BCTD	8Gb	1737	x8	C
SK hynix	HMA81GU6CJR8N-VKN0	UDIMM n-ECC	8GB	2666	19	A2	SK hynix	H5AN8G8NCJR-VKC	8Gb	1725	x8	C
SK hynix	HMA82GU6CJR8N-VKN0	UDIMM n-ECC	16GB	2666	19	B1	SK hynix	H5AN8G8NCJR-VKC	8Gb	1725	x8	C

# Approved Test Labs:

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