

## Intel® NUC Boards and Kits

### System memory

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#### System memory features

The board has two 204-pin SO-DIMM sockets and support the following memory features:

- 1.35 V DDR3L SDRAM SO-DIMMs with gold plated contacts.
- Two independent memory channels with interleaved mode support.
- Unbuffered, single-sided, or double-sided SO-DIMMs.
- 16 GB maximum total system memory (with 4 GB memory technology).
- Minimum recommended total system memory: 1024 MB.
- Non-ECC SO-DIMMs.
- Serial presence detect.
- DDR3L 1600 MHz and DDR3L 1333 MHz SDRAM SO-DIMMs.

To be fully compliant with all applicable DDR SDRAM memory specifications, populate the board with SO-DIMMs that support serial presence detect (SPD) data structure. This allows the BIOS to read the SPD data and program the chipset to configure memory settings for optimum performance. If non-SPD memory is installed, performance and reliability can be impacted, or the SO-DIMMs do not function.

<b>Note</b>	1.5 V DDR3 memory modules are <b>not</b> supported.
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#### Supported memory configurations

SO-DIMM Capacity	Configuration	SDRAM Density	SDRAM Organization Front-side / Back-side	Number of SDRAM Devices
4 GB	Double-sided	2 Gbit	256 M x 8 / 256 M x 8	16
4 GB	Single-sided	4 Gbit	512 M x 8 / empty	8
8 GB	Double-sided	4 Gbit	512 M x 8 / 512 M x 8	16

#### Tested memory

Computer Memory Test Labs\* (CMTL) tests third-party memory for compatibility with Intel boards as requested by memory manufacturers. See the [CMTL Advanced Tested Memory List](#).

The table below lists parts which passed testing during development. These part numbers may not be readily available throughout the product life cycle.

Module Manufacturer	Module Part Number	Module Size	Module Speed
ADATA*	AXDS1600GC4G9-2	4 GB	1600 MHz
Crucial*	CT51264BF160BJ	4 GB	1600 MHz
Crucial	CT102464BF160B.M16FED, CL11	8 GB	1600 MHz

Crucial-Ballistix*	BLS2K8G3N169ES4, CL9	8 GB x 2	1600 MHz
Kingston*	KVR16LS11S6/2	2 GB	1600 MHz
Micron*	MT16KTF1G64HZ-1G6E1	8 GB	1600 MHz
Micron	MT8KTF51264HZ-1G6E1	4 GB	1600 MHz
Micron	MT8KTF25664HZ-1G4M1, CL9	2 GB	1333 MHz
Micron	MT4KTF25664HZ-1G6E1	2 GB	1600 MHz
Mushkin	997037	4 GB	1600 MHz
Patriot*	PSD38G1600L2S	8 GB	1600 MHz
Samsung	M471B1G73BH0-YK0	8 GB	1600 MHz
Samsung	M471B5273DH0-YK0	4 GB	1600 MHz
Samsung	M471B5773DH0-YK0	2 GB	1600 MHz
Samsung	M473B5273DH0-YK0, CL11	8 GB x 2	1600 MHz
SK Hynix	HMT41GS6AFR8A-PB	8 GB	1600 MHz
SK Hynix	HMT451S6AFR8A-PB	4 GB	1600 MHz
SK Hynix	HMT425S6AFR6A-PB	2 GB	1600 MHz

### Customer-reported compatible

The table below lists parts which have been reported as compatible by owners of the Intel® NUC Kit D54250WYK. Intel has not validated these modules.

Module Manufacturer	Module Part Number	Module Size	Module Speed (MHz)
Crucial	CT102464BF160B	8 GB	1600
Crucial	CT51264BF160B	4 GB	1600
Crucial	CT2C4GS160BM	4 GB	1600
G.Skill	F3-1600C11D-16GSL	8 GB	1600