



# Intel Xeon E3-1275

## General information

Type	CPU / Microprocessor
Market segment	Server
Family	Intel Xeon E3-1200
Model number	E3-1275
CPU part number	CM8062307262003 (SR00P)
Box part number	BX80623E31275 (SR00P)
<b>Frequency (MHz)</b>	<b>3400</b>
Package	1155-land Flip-Chip Land Grid Array
<b>Socket</b>	<b>Socket 1155 (Socket H2)</b>

## Architecture / Microarchitecture

Microarchitecture	Sandy Bridge
Platform	Bromolow
Manufacturing process	0.032 micron High-K metal gate process
<b>Data width</b>	<b>64 bit</b>
<b>Number of cores</b>	<b>4</b>
Floating Point Unit	Integrated
<b>Level 2 cache size</b>	<b>4 x 256 KB</b>
<b>Level 3 cache size</b>	<b>8 MB</b>
Multiprocessing	Uniprocessor
Features	<ul style="list-style-type: none"><li>• MMX instruction set</li><li>• SSE</li><li>• SSE2</li><li>• SSE3</li><li>• Supplemental SSE3</li><li>• SSE4.1</li><li>• SSE4.2</li><li>• AES instructions</li><li>• Advanced Vector Extensions</li><li>• Extended Memory 64 technology (EM64T)</li><li>• Execute disable bit</li><li>• Virtualization technology</li><li>• Turbo Boost technology</li><li>• Trusted Execution technology</li></ul>
On-chip peripherals	<ul style="list-style-type: none"><li>• Integrated DDR3 SDRAM Memory controller</li><li>• HD graphics controller</li></ul>

## Electrical/Thermal parameters

Thermal Design Power (W)	95
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## Notes on Intel CM8062307262003

- Memory controller supports DDR3-800, DDR3-1066 and DDR3-1333 memory