



Intel Core i3-2120

General information

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|-------------------------|---|
| Type | CPU / Microprocessor |
| Market segment | Desktop |
| Family | Intel Core i3 |
| Model number | I3-2120 |
| CPU part number | CM8062301044204 (SR05Y) |
| Box part numbers | BX80623I32120 (SR05Y) BXC80623I32120 (SR05Y) |
| Frequency (MHz) | 3300 |
| Clock multiplier | 33 |
| Package | 1155-land Flip-Chip Land Grid Array |
| Socket | Socket 1155 (Socket H2) |

Architecture / Microarchitecture

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|---------------------------|---|
| Microarchitecture | Sandy Bridge |
| Manufacturing process | 0.032 micron High-K metal gate process |
| Data width | 64 bit |
| Number of cores | 2 |
| Floating Point Unit | Integrated |
| Level 2 cache size | 2 x 256 KB |
| Level 3 cache size | 3 MB shared cache |
| Physical memory (GB) | 32 |
| Multiprocessing | Uniprocessor |
| Features | <ul style="list-style-type: none">• MMX instruction set• SSE• SSE2• SSE3• Supplemental SSE3• SSE4.1• SSE4.2• Advanced Vector Extensions• Extended Memory 64 technology (EM64T)• Execute disable bit• HyperThreading technology• Virtualization technology (VT-x) |
| Low power features | Enhanced SpeedStep technology |
| On-chip peripherals | <ul style="list-style-type: none">• Integrated dual-channel DDR3 SDRAM Memory controller• Graphics controller |

Electrical/Thermal parameters

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|---------------------------------|-----------|
| Thermal Design Power (W) | 65 |
|---------------------------------|-----------|

Notes on Intel CM8062301044204

- Integrated graphics controller runs at 850 MHz, and up to 1100 MHz in Turbo mode
- Memory controller supports DDR3-1066 and DDR3-1333 memory