



# Intel® Core™ i5-655K Processor

4M Cache, 3.20 GHz

## Essentials

- Product Collection [Legacy Intel® Core™ Processors](#)
- Code Name [Products formerly Clarkdale](#)
- Vertical Segment Desktop
- Processor Number i5-655K
- Status Discontinued
- Launch Date Q2'10
- Lithography 32 nm
- Recommended Customer Price \$177.00

## Performance

- # of Cores 2
- # of Threads 4
- Processor Base Frequency 3.20 GHz
- Max Turbo Frequency 3.46 GHz
- Cache 4 MB SmartCache
- Bus Speed 2.5 GT/s DMI
- TDP 73 W
- VID Voltage Range 0.6500V-1.4000V

## Supplemental Information

- Embedded Options Available No
- Datasheet [View now](#)

## Memory Specifications

- Max Memory Size (dependent on memory type) 16.38 GB
- Memory Types DDR3 1066/1333
- Max # of Memory Channels 2
- Max Memory Bandwidth 21 GB/s
- Physical Address Extensions 36-bit

## Processor Graphics

- Processor Graphics † Intel® HD Graphics for Previous Generation Intel® Processors
- Graphics Base Frequency 733 MHz
- Intel® Flexible Display Interface (Intel® FDI) Yes
- Intel® Clear Video HD Technology Yes
- # of Displays Supported † 2

## Expansion Options

- PCI Express Revision 2.0
- PCI Express Configurations † 1x16, 2x8
- Max # of PCI Express Lanes 16

## Package Specifications

- Sockets Supported FCLGA1156
- Max CPU Configuration 1
- T<sub>CASE</sub> 72.6°C
- Package Size 37.5mm x 37.5mm
- Processing Die Size 81 mm<sup>2</sup>
- # of Processing Die Transistors 382 million

## Advanced Technologies

- Intel® Turbo Boost Technology † 1.0
- Intel® vPro™ Platform Eligibility † No
- Intel® Hyper-Threading Technology † Yes
- Intel® Virtualization Technology (VT-x) † Yes
- Intel® VT-x with Extended Page Tables (EPT) † Yes
- Intel® 64 † Yes
- Instruction Set 64-bit
- Instruction Set Extensions Intel® SSE4.2
- Idle States Yes
- Enhanced Intel SpeedStep® Technology Yes
- Intel® Demand Based Switching No
- Thermal Monitoring Technologies No

## Security & Reliability

- Intel® AES New Instructions Yes
- Intel® Trusted Execution Technology † No
- Execute Disable Bit † Yes