Essentials

- Product Collection Intel® Pentium® Processor G Series
- Code Name Products formerly Skylake
- Vertical Segment Desktop
- Processor Number G4400
- Status Launched
- Launch Date Q3'15
- Lithography 14 nm
- Included Items Thermal Solution - E97379
- Recommended Customer Price $64.00
- Use Conditions Embedded Broad Market Commercial Temp, PC/Client/Tablet

Performance

- # of Cores 2
- # of Threads 2
- Processor Base Frequency 3.30 GHz
- Cache 3 MB SmartCache
- Bus Speed 8 GT/s DMI3
- TDP 54 W

Supplemental Information

- Embedded Options Available Yes
- Datasheet View now

Memory Specifications

- Max Memory Size (dependent on memory type) 64 GB
- Memory Types DDR4-1866/2133, DDR3L-1333/1600 @ 1.35V
- Max # of Memory Channels 2
- Max Memory Bandwidth 34.1 GB/s
- ECC Memory Supported ‡ Yes

Processor Graphics

- Processor Graphics ‡ Intel® HD Graphics 510
- Graphics Base Frequency 350 MHz
- Graphics Max Dynamic Frequency 1.00 GHz
- Graphics Video Max Memory 64 GB
- Graphics Output eDP/DP/HDMI/DVI
- 4K Support Yes, at 60Hz
- Max Resolution (HDMI 1.4)‡ 4096x2304@24Hz

- Max Resolution (DP)‡ 4096x2304@60Hz
- Max Resolution (eDP - Integrated Flat Panel)‡ 4096x2304@60Hz
- Max Resolution (VGA)‡ N/A
- DirectX* Support 12
- OpenGL* Support 4.4
- Intel® Quick Sync Video Yes
- Intel® InTru™ 3D Technology Yes
- Intel® Clear Video HD Technology Yes
- Intel® Clear Video Technology Yes
- # of Displays Supported ‡ 3
- Device ID 0x1902

Expansion Options

- Scalability 1S Only
- PCI Express Revision 3.0
- PCI Express Configurations ‡ Up to 1x16, 2x8, 1x8+2x4
- Max # of PCI Express Lanes 16

Package Specifications

- Sockets Supported FCLGA1151
- Max CPU Configuration 1
- Thermal Solution Specification PCG 2015C (65W)
- Package Size 37.5mm x 37.5mm
- Low Halogen Options Available See MDDS

Advanced Technologies

- Intel® Optane™ Memory Supported ‡ No
- Intel® Turbo Boost Technology ‡ No
- Intel® vPro™ Platform Eligibility ‡ No
- Intel® Hyper-Threading Technology ‡ No
- Intel® Virtualization Technology (VT-x) ‡ Yes
- Intel® Virtualization Technology for Directed I/O (VT-d) ‡ Yes
- Intel® VT-x with Extended Page Tables (EPT) ‡ Yes
- Intel® TSX-NI No
- Intel® 64 ‡ Yes
- Instruction Set 64-bit
- Instruction Set Extensions Intel® SSE4.1, Intel® SSE4.2
- Idle States Yes
- Enhanced Intel SpeedStep® Technology Yes
- Thermal Monitoring Technologies Yes
- Intel® Identity Protection Technology ‡ Yes
- Intel® Stable Image Platform Program (SIPP) No

Security & Reliability

- Intel® AES New Instructions Yes
- Secure Key Yes
- Intel® Software Guard Extensions (Intel® SGX) Yes
- Intel® Memory Protection Extensions (Intel® MPX) No
- Intel® OS Guard No
- Intel® Trusted Execution Technology ‡ No
- Execute Disable Bit ‡ Yes
- Intel® Boot Guard Yes