


Intel® Pentium® Processor G630 (3M Cache, 2.70 GHz)

Specifications



Essentials

| | |
|---|--------------------------|
| Status | Launched |
| Launch Date | Q3'11 |
| Processor Number | G630 |
| # of Cores | 2 |
| # of Threads | 2 |
| Clock Speed | 2.7 GHz |
| Intel® Smart Cache | 3 MB |
| Bus/Core Ratio | 27 |
| DMI | 5 GT/s |
| Instruction Set | 64-bit |
| Instruction Set Extensions | SSE4.1/4.2 |
| Embedded Options Available  | No |
| Lithography | 32 nm |
| Max TDP | 65 W |
| Recommended Customer Price | TRAY: \$64 BOX : \$64 |

Memory Specifications

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|--|-----------|
| Max Memory Size (dependent on memory type) | 32 GB |
| Memory Types | DDR3-1066 |
| # of Memory Channels | 2 |
| Max Memory Bandwidth | 17 GB/s |

Graphics Specifications

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|--|--------------------|
| Processor Graphics  | Intel® HD Graphics |
| Graphics Base Frequency | 850 MHz |
| Graphics Max Dynamic Frequency | 1.1 GHz |
| Intel® Quick Sync Video | No |
| Intel® InTru™ 3D Technology | No |
| Intel® Insider™ | No |
| Intel® Wireless Display | No |
| Intel® Flexible Display Interface (Intel® FDI) | Yes |
| Intel® Clear Video HD Technology | No |
| Dual Display Capable | Yes |
| # of Displays Supported  | 2 |


Expansion Options







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|----------------------|-----|
| PCI Express Revision | 2.0 |
|----------------------|-----|

Package Specifications

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|-------------------------------|-----------------|
| Max CPU Configuration | 1 |
| T _{CASE} | 69.1°C |
| Package Size | 37.5mm x 37.5mm |
| Sockets Supported | FCLGA1155 |
| Low Halogen Options Available | See MDDS |

Advanced Technologies

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|--|----|
| Intel® Turbo Boost Technology | No |
| Intel® vPro Technology | No |
| Intel® Hyper-Threading Technology  | No |

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|---|-----|
| Intel® Virtualization Technology (VT-x)  | Yes |
| Intel® Virtualization Technology for Directed I/O (VT-d)  | No |
| Intel® Trusted Execution Technology  | No |
| AES New Instructions  | No |
| Intel® 64  | Yes |
| Idle States | Yes |
| Enhanced Intel SpeedStep® Technology  | Yes |
| Thermal Monitoring Technologies | Yes |
| Intel® Fast Memory Access | Yes |
| Intel® Flex Memory Access | Yes |
| Execute Disable Bit | Yes |
| Intel® VT-x with Extended Page Tables (EPT) | Yes |