



Intel® Celeron® Processor G3930TE

2M Cache, 2.70 GHz

Spec Code

SR38H

Ordering Code

CM8067703318900

Intel® Celeron® Processor G3930TE (2M Cache, 2.70 GHz)

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| Code Name | Kaby Lake |
| Essentials | |
| Vertical Segment | Desktop |
| Processor Number | G3930TE |
| Status | Launched |
| Launch Date | Q2'17 |
| Recommended Customer Price | \$42.00 |
| Performance | |
| # of Cores | 2 |
| # of Threads | 2 |
| Processor Base Frequency | 2.70 GHz |
| Cache | 2 MB |
| TDP | 35 W |
| Supplemental Information | |
| Embedded Options Available | Yes |
| Memory Specifications | |
| Max Memory Size (dependent on memory type) | 64 GB |
| Memory Types | DDR4-2133, DDR3L-1600 |
| Max # of Memory Channels | 2 |
| ECC Memory Supported ‡ | Yes |
| Processor Graphics | |
| Processor Graphics | Intel® HD Graphics 610 |
| Graphics Base Frequency | 350 MHz |

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|---|--------------------------|
| Graphics Max Dynamic Frequency | 950 MHz |
| Graphics Video Max Memory | 64 GB |
| 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 |
| DirectX* Support | 12 |
| <u>OpenGL* Support</u> | <u>4.4</u> |
| Intel® Quick Sync Video | Yes |
| Intel® InTru™ 3D Technology | Yes |
| Intel® Clear Video HD Technology | Yes |
| Intel® Clear Video Technology | Yes |
| <u># of Displays Supported ‡</u> | <u>3</u> |
| Device ID | 0x5902 |
| Expansion Options | |
| Scalability | 1S Only |
| PCI Express Revision | 3 |
| PCI Express Configurations ‡ | Up to 1x16, 2x8, 1x8+2x4 |
| Max # of PCI Express Lanes | 16 |
| Package Specifications | |
| Sockets Supported | FCLGA1151 |
| T_{JUNCTION} | 88°C |
| 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™ Technology ‡ | No |
| Intel® Hyper-Threading Technology ‡ | No |
| Intel® Virtualization Technology (VT-x) ‡ | Yes |
| Intel® Virtualization Technology for Directed I/O (VT- x) | Yes |
| Intel® VT-x with Extended Page Tables (EPT) ‡ | Yes |
| Intel® TSX-NI | No |

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| Intel® 64 ‡ | Yes |
| Instruction Set | 64-bit |
| Instruction Set Extensions | SSE4.1/4.2 |
| Idle States | Yes |
| Enhanced Intel SpeedStep® Technology | Yes |
| Thermal Monitoring Technologies | Yes |
| Intel® Identity Protection Technology ‡ | Yes |
| Security & Reliability | |
| Intel® AES New Instructions | Yes |
| Secure Key | Yes |
| Intel® Software Guard Extensions (Intel® SGX) | Yes |
| Intel® Memory Protection Extensions (Intel® MPX) | Yes |
| Intel® OS Guard | Yes |
| Intel® Trusted Execution Technology ‡ | No |
| Execute Disable Bit ‡ | Yes |
| Intel® Boot Guard | Yes |