



# Intel® Celeron® Processor G3930TE

2M Cache, 2.70 GHz

Spec Code

SR38H

Ordering Code

CM8067703318900

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

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

|                                                        |                          |
|--------------------------------------------------------|--------------------------|
| 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                   |
| <b>Expansion Options</b>                               |                          |
| Scalability                                            | 1S Only                  |
| PCI Express Revision                                   | 3                        |
| PCI Express Configurations ‡                           | Up to 1x16, 2x8, 1x8+2x4 |
| Max # of PCI Express Lanes                             | 16                       |
| <b>Package Specifications</b>                          |                          |
| Sockets Supported                                      | FCLGA1151                |
| T<sub>JUNCTION</sub>                                   | 88°C                     |
| Package Size                                           | 37.5mm x 37.5mm          |
| Low Halogen Options Available                          | See MDDS                 |
| <b>Advanced Technologies</b>                           |                          |
| 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- | Yes                      |
| Intel® VT-x with Extended Page Tables (EPT) ‡          | Yes                      |
| Intel® TSX-NI                                          | No                       |

|                                                  |            |
|--------------------------------------------------|------------|
| 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        |
| <b>Security &amp; Reliability</b>                |            |
| 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        |

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