



# Intel® Xeon® Gold 6130 Processor

22M Cache, 2.10 GHz

Spec Code

SR3B9

Ordering Code

CD8067303409000

## Intel® Xeon® Gold 6130 Processor (22M Cache, 2.10 GHz)

|                                            |                       |
|--------------------------------------------|-----------------------|
| Code Name                                  | Skylake               |
| <b><u>Essentials</u></b>                   |                       |
| Vertical Segment                           | Server                |
| Processor Number                           | 6130                  |
| Status                                     | Launched              |
| Launch Date                                | Q3'17                 |
| Lithography                                | 14 nm                 |
| Recommended Customer Price                 | \$1894.00 - \$1900.00 |
| <b><u>Performance</u></b>                  |                       |
| # of Cores                                 | 16                    |
| # of Threads                               | 32                    |
| Processor Base Frequency                   | 2.10 GHz              |
| Max Turbo Frequency                        | 3.70 GHz              |
| Cache                                      | 22 MB L3              |
| # of UPI Links                             | 3                     |
| <b><u>TDP</u></b>                          | <b><u>125 W</u></b>   |
| Supplemental Information                   |                       |
| Embedded Options Available                 | Yes                   |
| Conflict Free                              | Yes                   |
| Datasheet                                  | <a href="#">Link</a>  |
| <b><u>Product Brief</u></b>                | <a href="#">Link</a>  |
| Memory Specifications                      |                       |
| Max Memory Size (dependent on memory type) | 768 GB                |

|                                                     |                                                        |
|-----------------------------------------------------|--------------------------------------------------------|
| Memory Types                                        | DDR4-2666                                              |
| Maximum Memory Speed                                | 2.67 GHz                                               |
| Max # of Memory Channels                            | 6                                                      |
| <b><u>ECC Memory Supported ‡</u></b>                | <b><u>Yes</u></b>                                      |
| Expansion Options                                   |                                                        |
| Scalability                                         | S4S                                                    |
| PCI Express Revision                                | 3.0                                                    |
| <b><u>Max # of PCI Express Lanes</u></b>            | <b><u>48</u></b>                                       |
| Package Specifications                              |                                                        |
| Sockets Supported                                   | FCLGA3647                                              |
| T<sub>CASE</sub>                                    | 87°C                                                   |
| Package Size                                        | 76.0mm x 56.5mm                                        |
| <b><u>Low Halogen Options Available</u></b>         | <b><u>See MDDS</u></b>                                 |
| Advanced Technologies                               |                                                        |
| Intel® Optane™ Memory Supported ‡                   | No                                                     |
| Intel® Speed Shift Technology                       | Yes                                                    |
| Intel® Turbo Boost Max Technology 3.0 ‡             | No                                                     |
| Intel® Turbo Boost Technology                       | 2.0                                                    |
| Intel® vPro™ Technology ‡                           | Yes                                                    |
| Intel® Hyper-Threading Technology ‡                 | Yes                                                    |
| Intel® Virtualization Technology (VT-x) ‡           | Yes                                                    |
| Intel® TSX-NI                                       | Yes                                                    |
| Intel® 64 ‡                                         | Yes                                                    |
| Instruction Set Extensions                          | Intel® SSE4.2, Intel® AVX, Intel® AVX2, Intel® AVX-512 |
| # of AVX-512 FMA Units                              | 2                                                      |
| <b><u>Intel® Volume Management Device (VMD)</u></b> | <b><u>Yes</u></b>                                      |
| Security & Reliability                              |                                                        |
| Intel® AES New Instructions                         | Yes                                                    |
| Intel® Trusted Execution Technology ‡               | Yes                                                    |
| Intel® Run Sure Technology                          | Yes                                                    |
| Mode-based Execute Control (MBE)                    | Yes                                                    |