

PROCESOR INTEL® XEON® GOLD 6128

(19,25 MB pamięci cache, 3,40 GHz)



Dane techniczne

Niezbędne zasoby

| | |
|------------------|----------|
| Status | Launched |
| Lithography | 14 nm |
| Processor Number | 6128 |
| Vertical Segment | Server |
| Launch Date | Q3'17 |

Wydajność

| | |
|--------------|----|
| # of Threads | 12 |
|--------------|----|

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|--------------------------|----------|
| # of Cores | 6 |
| Cache | 19 MB L3 |
| Processor Base Frequency | 3.40 GHz |
| TDP | 115.0 W |
| Max Turbo Frequency | 3.70 GHz |

Informacje dodatkowe

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|----------------------------|-----|
| Embedded Options Available | No |
| Conflict Free | Yes |

Dane techniczne pamięci

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|--|-----------|
| ECC Memory Supported [†] | Yes |
| Max Memory Size (dependent on memory type) | 768 GB |
| Max # of Memory Channels | 6 |
| Memory Types | DDR4-2666 |

Opcje rozszerzeń

| | |
|----------------------------|-----|
| PCI Express Revision | 3.0 |
| Scalability | S4S |
| Max # of PCI Express Lanes | 48 |

Dane techniczne pakietu

| | |
|-------------------------------|------|
| Low Halogen Options Available | No |
| T _{CASE} | 74°C |

| | |
|--|--|
| Package Size | 76.0mm x 56.5mm BGA |
| Sockets Supported | FCLGA3647 |
| Technologie zaawansowane | |
| Intel® Hyper-Threading Technology † | Yes |
| Intel® Virtualization Technology for Directed I/O (VT-d) † | Yes |
| Intel® Virtualization Technology (VT-x) † | Yes |
| Intel® Turbo Boost Max Technology 3.0 † | No |
| Intel® 64 † | Yes |
| Intel® TSX-NI | Yes |
| Enhanced Intel SpeedStep® Technology | Yes |
| Intel® VT-x with Extended Page Tables (EPT) † | Yes |
| Instruction Set Extensions | Intel® SSE4.2, Intel® AVX, Intel® AVX2, Intel® AVX-512 |
| Intel® vPro Technology † | Yes |
| Intel® Turbo Boost Technology † | 2.0 |
| Intel® Optane™ Memory Supported † | No |
| Intel® Speed Shift Technology | Yes |
| Niezawodność i bezpieczeństwo | |
| Execute Disable Bit † | Yes |
| Trusted Execution Technology † | Yes |
| Intel® AES New Instructions | Yes |