

PROCESOR INTEL® XEON® D-1539

(12 MB pamięci cache, 1,60 GHz)



Dane techniczne

Essentials

| | |
|------------------|----------|
| Lithography | 14 nm |
| Launch Date | Q2'16 |
| Processor Number | D-1539 |
| Vertical Segment | Server |
| Status | Launched |

Performance

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|---------------------|----------|
| Max Turbo Frequency | 2.20 GHz |
|---------------------|----------|

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|--------------------------|----------|
| # of Threads | 16 |
| # of Cores | 8 |
| Processor Base Frequency | 1.60 GHz |
| TDP | 35.0 W |
| Cache | 12 MB |

Supplemental Information

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|----------------------------|-----|
| Embedded Options Available | Yes |
| Conflict Free | Yes |

Memory Specifications

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|--|------------|
| Max # of Memory Channels | 2 |
| Memory Types | DDR4, DDR3 |
| ECC Memory Supported [†] | Yes |
| Max Memory Size (dependent on memory type) | 128 GB |

Expansion Options

| | |
|---|-----------|
| Max # of PCI Express Lanes | 32 |
| Scalability | 1S Only |
| PCI Express Revision | 2.0/3.0 |
| PCI Express Configurations [†] | x4 x8 x16 |

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|--------------------|-----|
| General Purpose IO | Yes |
| # of USB Ports | 8 |

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|-----------------------|---------|
| Integrated LAN | Yes |
| UART | Yes |
| USB Revision | 2.0/3.0 |
| Total # of SATA Ports | 6 |

Package Specifications

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|-------------------------------|-----------------|
| Low Halogen Options Available | No |
| Package Size | 37.5mm x 37.5mm |
| Sockets Supported | FCBGA1667 |
| Max CPU Configuration | 1 |

Advanced Technologies

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|--|---|
| Intel® Virtualization Technology for Directed I/O (VT-d) † | Yes |
| | Intel® VT-x with Extended Page Tables (EPT) † |

Yes

| | |
|---|---------|
| Intel® TSX-NI | Yes |
| Enhanced Intel SpeedStep® Technology | Yes |
| Instruction Set Extensions | AVX 2.0 |
| Thermal Monitoring Technologies | Yes |
| Instruction Set | 64-bit |
| Intel® Virtualization Technology (VT-x) † | Yes |
| Intel® 64 † | Yes |
| Intel® Turbo Boost Technology † | 2.0 |

| | |
|-------------------------------------|-----|
| Idle States | Yes |
| Intel® Hyper-Threading Technology † | Yes |
| Security & Reliability | |
| OS Guard | Yes |
| Secure Key | Yes |
| Execute Disable Bit † | Yes |
| Intel® AES New Instructions | Yes |
| Trusted Execution Technology † | Yes |