**TOP 500**

The List.

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**SPECs** | **SITE** | **COUNTRY** | **CORES** | **PFLOP/S** | **POWER MW**
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1 | Summit | IBM POWER9 (22C, 3.1GHz), NVIDIA Volta GV100 (80C), Dual-Rail Mellanox EDR Infiniband | DOE/SC/ORNL | USA | 2,397,824 | 143.5 | 11.1
2 | Sierra | IBM POWER9 (22C, 3.1GHz), NVIDIA Tesla V100 (80C), Dual-Rail Mellanox EDR Infiniband | DOE/NNSA/LLNL | USA | 1,572,480 | 94.6 | 7.44
3 | Sunway TaihuLight | Shenwei SW26010 (260C, 1.45 GHz) Custom Interconnect | NSCC in Wuxi | China | 10,649,600 | 93.0 | 15.4
4 | Tianhe-2A (Milkyway-2A) | Intel Ivy Bridge (12C, 2.2 GHz) & TH Express-2, Matrix-2000 | NSCC Guangzhou | China | 4,981,760 | 61.4 | 18.5
5 | Piz Daint | Cray XC50, Xeon E5-2690v3 (12C, 2.6GHz), Aries interconnect , NVIDIA Tesla P100 | CSCS | Switzerland | 319,424 | 21.2 | 2.38

**PERFORMANCE DEVELOPMENT**

**ARCHITECTURES**

**CHIP TECHNOLOGY**

**INSTALLATION TYPE**

**ACCELERATORS/CO-PROCESSORS**

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**Performance Development**

**Architectures**

**Chip Technology**

**Installation Type**

**Accelerators/Co-processors**

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**Vendor** | **Research** | **Industry** | **Academic** | **Government**
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**System**

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**2006** | **2007** | **2008** | **2009** | **2010** | **2011** | **2012** | **2013** | **2014** | **2015** | **2016** | **2017** | **2018**
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**Classified** | **Proprietary** | **MIPS** | **SPARC** | **IBM** | **Intel** | **Alpha** | **AMD** | **NVIDIA** | **ATI**
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**2006** | **2007** | **2008** | **2009** | **2010** | **2011** | **2012** | **2013** | **2014** | **2015** | **2016** | **2017** | **2018**
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**FIND OUT MORE AT**

**top500.org**

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**HPLINPACK**

A Portable Implementation of the High Performance Linpack Benchmark for Distributed Memory Computers

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**MORE INFO AT**

http://icl.utk.edu/hpl/