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## Juggling Multiple Tools?

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### Intel Xeon E5-2643 v2 vs E5-2697 v2

Mini Review

Specifications

Compare CPUs

Comments (0)

#### Intel Xeon E5-2643 v2 advantages

- Operating frequency of the Intel E5-2643 v2 is higher than the frequency of the Intel Xeon E5-2697 v2 processor, as a result this E5-2643 v2 can execute most applications faster.

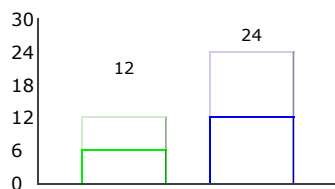
#### Intel Xeon E5-2697 v2 advantages

- The E5-2697 v2 has more processing cores than the Intel E5-2643 v2. Large number of cores helps this microprocessor to tackle multiple programs or heavily multi-threaded applications.

#### E5-2643 v2 vs E5-2697 v2 specifications comparison

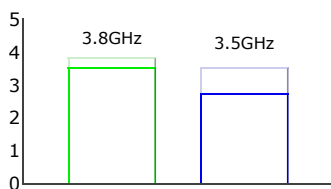
The graphs below compare the most important characteristics of the Xeon E5-2697 v2 and E5-2643 v2 processors. These features, together with an IPC (instructions per cycle) number, determine how well a processor performs. The "Number of cores / threads" graph displays the number of cores (darker area). Lighter area on the graph corresponds to the number of extra threads, offered by Hyper-Threading technology. The "Operating frequency" chart uses dark color for base frequency, whereas lighter area is for additional frequency, provided by Turbo feature. Darker area on the "On-chip cache" graph is for the On-chip L2 cache. Lighter area is for the L3 cache. While the L3 cache is usually larger than the On-chip L2 cache, it is always slower.

The number of cores / threads



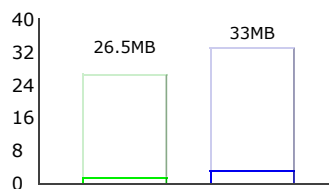
Higher is better

Operating frequency



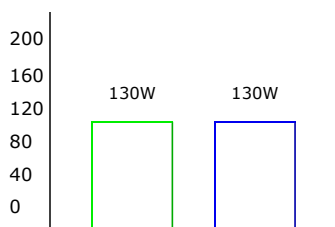
Higher is better

On-chip L2 + L3 cache



Higher is better

Thermal Design Power



Lower is better

- Intel Xeon E5-2643 v2      - Intel Xeon E5-2697 v2

Detailed side by side comparison of E5-2643 v2 vs E5-2697 v2 specs can be found in the "Specifications" tab.

#### Pros and Cons summary

Xeon E5-2643 v2

Xeon E5-2697 v2

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WHERE TO BUY

Intel Xeon E5-2643 v2

- [Search on eBay](#)

Intel Xeon E5-2697 v2

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<p><b>General recommendations:</b></p> <p>Clocked higher</p> <p><b>Drawbacks:</b></p> <p>Smaller number of CPU cores, Does not support as many threads</p>	<p><b>General recommendations:</b></p> <p>More cores improve multi-threading performance, Executes more simultaneous threads</p> <p><b>Drawbacks:</b></p> <p>Operating frequency is lower</p>
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