



- Supports 4-Way+ Server Platforms
- Three Levels of On-Die Cache
- Three Year Limited Warranty

Can a server processor change the way you manage your business?

Yes. The Intel® Xeon™ Processor MP provides reliable and scalable solutions for today's most demanding enterprise and e-Business server applications.



Boxed Intel® Xeon™ Processor MP

Now built on the .13 Micron Process Technology
with up to 2MB on-die cache



The Intel® Xeon™ processor MP provides mid-to-high and back-end users with world class performance for demanding enterprise applications. Running at up to 2.80 GHz with up to 2MB of integrated Level 3 Cache, the Intel® Xeon™ processor MP is the processor of choice for demanding server applications.

The New Performance Standard

The new Intel® Xeon™ processor MP brings a broad range of innovations that make it the new performance standard for the most demanding enterprise and e-Business server applications. Designed specifically for multi-threaded applications in multi-processor server environments, the Intel Xeon processor MP with Hyper-Threading Technology and integrated three-level cache architecture delivers unprecedented performance and scalability.

Move up to a single memory space

Mid-tier and back-end applications have characteristics that are fundamentally different from most front-end applications, including:

- Larger software footprints
- More complex transactions
- Larger data sets

Many of these applications are also multi-threaded, capable of processing multiple instruction streams simultaneously. Multi-threading can improve resource utilization to enhance capacity and throughput.

Because of these characteristics, mid-tier and higher applications typically benefit from more robust server platforms. Multiple dual-processor servers can deliver massive processing for easily distributed workloads, but complex applications and transactions benefit from concentrated, tightly coupled processing power acting on a single memory space.

Lower operational costs

The use of more powerful multi-processor-based servers simplifies the infrastructure and reduces the drain on data center resources, such as power, cooling, floor space and network bandwidth. This can save a substantial amount on monthly utility payments. Even more importantly, it can reduce the need for costly, and potentially disruptive, data center build outs.

Scale right

Microsoft Exchange Server* is a good example of an application that scales most effectively on multiple 4-way servers. Not only do 4-way Intel processor-based servers match the workload demands of Exchange, but they are easily deployed at multiple locations. This distributed approach helps to avoid the latency issues that can impact performance when a centralized infrastructure is used to serve a large number of distributed users.



Key Design Features and Benefits

Features	Benefits
Supports 4-Way and Above Server Platforms	Mid-tier and back-end applications can be run on a single memory space
Processor speeds available in up to 2.80 GHz with up to 2MB of cache	Higher throughput when accessing memory and I/O devices for improved server headroom and scalability
Hyper-Threading Technology	Allows two threads to be assigned to each processor within the system. This means that when a single processor is waiting for data or instruction retrieval for one thread, it can be actively processing the other thread.
Integrated three-level cache architecture	On-die cache allows data and instructions to be stored and accessed up to 30 times faster than main memory.
400 MHz system bus	Perfectly balanced data path between chipset/memory and chipset/processor, both at 3.2GB per second

CPU speed/cache	Boxed product order code	MM numbers	S-Spec number(s)
2.80 GHz/2MB	BX80532KC2800F	853062 855005	SL6Z8 SL6YL
2.50 GHz/1MB	BX80532KC2500E	853064 855004	SL6Z7 SL6Z2
2 GHz/1MB	BX80532KC2000E	853012 855003	SL6Z6 SL6YJ
2 GHz/2MB	BX80532KC2000F	849876 851383	SL6KD SL66Z
1.90 GHz/1MB	BX80532KC1900E	849877 851382	SL6KC SL6H2
1.50 GHz/1MB	BX80532KC1500E	849515 851381	SL6KB SL6GZ



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