

SPARC Enterprise M4000/M5000/M8000/M9000 Servers CPU Module (CPUM)

Upgrade Guide

Start Here

- If firmware and Oracle Solaris upgrades are required, install them before installing CPUMs.
- Do not use a field-replaceable unit (FRU) to upgrade a server.
If a CPU module (CPUM) from Oracle is sold as a field-replaceable unit (FRU), it must be used ONLY for replacement use. Using FRUs to upgrade CPU performance in systems violates United States export regulations.

Firmware and OS Requirements

Before installing any processor, verify that your server satisfies all requirements for that processor type. Such requirements include minimum required XCP firmware and Oracle Solaris OS versions, and all required patches.

Check the SPARC Enterprise M3000/M4000/M5000/M8000/M9000 Server, Processor, and Software Requirements Matrix at: <https://supporthtml.oracle.com/ep/faces/secure/km/DocumentDisplay.jspx?id=1145383.1>

The matrix lists supported hardware, firmware and OS versions, as well as required software patches. Always refer to a patch's README for information about patch requirements and special installation instructions. The two-digit suffix of each patch represents the minimum revision level of the patch.

CPU Module Requirements

- A Physical System Board (PSB) can hold one or two pairs of CPUs.
- If only a single pair of CPUs is installed on a PSB, the pair must be in the lowest numbered slots.
- Within a pair of CPUs, speed and cache size must be equal.
- A PSB can support different speeds and cache sizes.
- CPUs must be installed in pairs, but note that the M4000/M5000 CPUM and the M8000/M9000 CPUM contain different numbers of CPUs.

M4000/M5000 Servers

The M4000 server supports up to two CPUMs. The M5000 server supports up to four CPUMs.

- A CPUM holds a pair of CPUs.
- CPUMs can be upgraded one by one.

M8000/M9000 Servers

- A CPUM holds a single CPU.
- CPUMs must be upgraded in pairs.

Product Documentation

SPARC Enterprise M4000/M5000/M8000/M9000 Server documentation is available at:

<http://www.oracle.com/technetwork/documentation/sparc-mseries-servers-252709.html>

You can view, print, or purchase a broad selection of documentation, including localized versions, at:

<http://www.oracle.com/technetwork/documentation/index.html>

Technical Support

If you have technical questions about this product that are not answered in this document, go to:

<https://support.oracle.com>

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