Software Installation Tutorials

QTSPIM INSTALLATION

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MIPS

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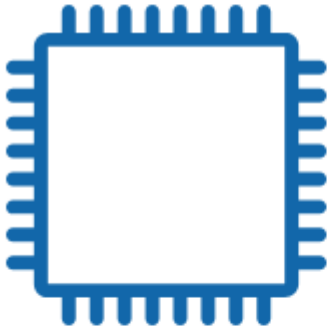
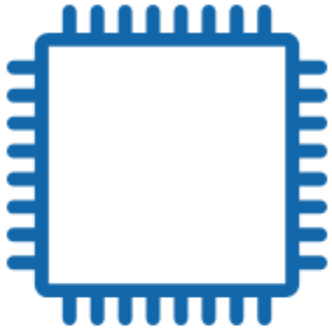
MIPS Processors

Widely used and backed by an active ecosystem of hardware and software partners, MIPS Processors are the CPU of choice for the future of computing.



Current Cores

The latest family of MIPS CPUs offer best-in-class performance, power and area efficiency

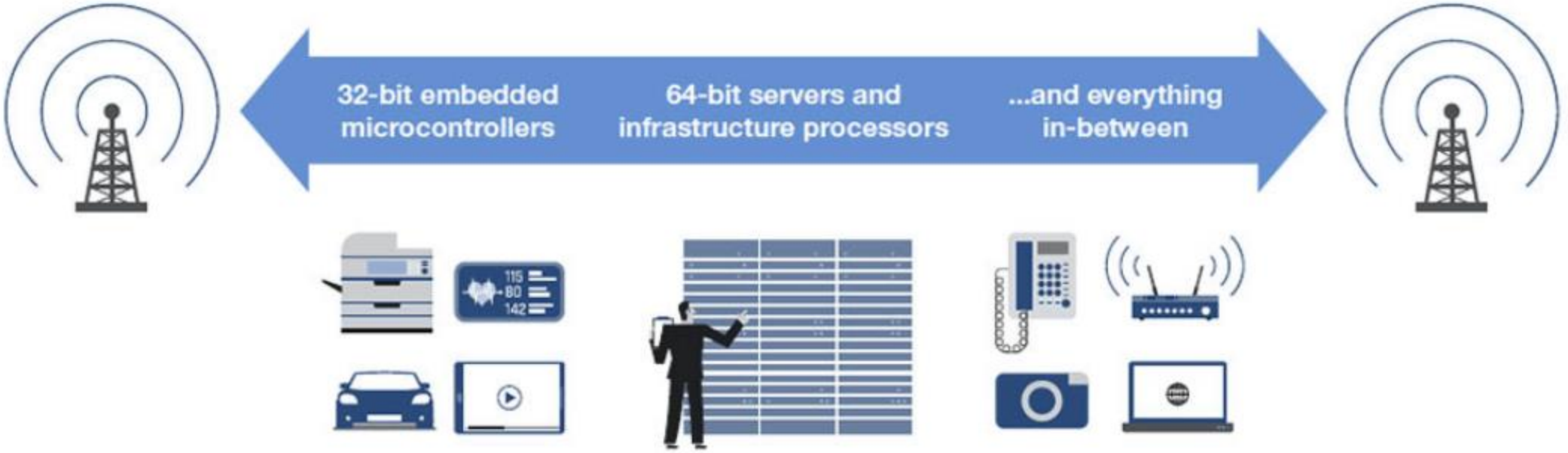


Classic Cores

Widely licensed and cost-effective solutions for embedded and multimedia applications.

MIPS Architecture

Highest levels of performance together with clean elegant design



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QtSpim

http://spimsimulator.sourceforge.net/

- **Spim** is a self-contained simulator that runs MIPS32 programs. It reads and executes assembly language programs written for this processor.
- **Spim** also provides a simple debugger and minimal set of operating system services.
- **Spim** does not execute binary (compiled) programs.

QtSpim

http://spimsimulator.sourceforge.net/

- **Spim** implements almost the entire MIPS32 assembler-extended instruction set. (It omits most floating point comparisons and rounding modes and the memory system page tables.)
- The MIPS architecture has several variants that differ in various ways (e.g., the MIPS64 architecture supports 64-bit integers and addresses), which means that **Spim** will **not** run programs for all MIPS processors..

QtSpim

http://spimsimulator.sourceforge.net/

- **Spim** implements both a terminal and windows interfaces.
- On Microsoft Windows, Linux, and Mac OS X, the spim program offers a simple terminal interface and the **QtSpim** program provides the windowing interface.
- The older programs **xspim** and **PCSpim** provide native window interfaces for these systems as well.

QtSpim Installation

Go QtSpim!!!