DƆLPHIN
SEMICƆNDUCTƆR

⚡ SPIDER

POWERSTUDIO
BUILD SAFE PMU*

What is PowerStudio?

PowerStudio is an intuitive, GUI-based tool empowering engineers to design the most efficient power network architectures for their SoCs. With built-in configuration and optimization capabilities, it seamlessly integrates with a configurable power controller, Maestro, ensuring a precision-tuned power management.
PowerStudio also automates UPF files generation, accelerating design validation and reducing time-to-market.

APPLICATIONS

> Consumer SoC

> Industrial SoC

> Automative SoC

*Power Management Unit

MEET WITH POWERSTUDIO AND MAESTRO

Software vs Hardened Power Controller comparison

Tasks	Software PMU	Hardened PMU	PowerStudio & Maestro
HW design effort	Low	Heavy	Low
Flexibility and configurability	High	Poor	High
SW design effort	Heavy	Low	Low
Power efficiency	Poor	High	High

What is Maestro ?

Maestro is a **power controller** that brings intelligent sequencing, real-time monitoring and adaptive power control to SoCs of any complexity.

A **configurable RTL IP core**, Maestro achieves unmatched compromises between flexibility, silicon area and power efficiency. Whether managing simple or multi-domain power architectures, Maestro optimizes power delivery for **maximum efficiency** while ensuring **reliable and safe implementations**, making it the ideal solution for next-generation semiconductor designs.

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www.dolphin-semiconductor.com