



# AN1508: SiWG917 Power Manager Application Note

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This version of AN1508 has been deprecated. For the latest version, see [docs.silabs.com](https://docs.silabs.com).

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The Power Manager is a comprehensive solution designed to optimize power usage in SiWG917, helping user achieve better energy efficiency and increased battery life. It incorporates FreeRTOS tickless idle mode, which minimizes power usage by transitioning the SiWG917 M4 into a low-power state when FreeRTOS operates on the Idle task.

This document provides an overview of the key features of Power Manager with tickless idle mode. Additionally, it covers important considerations when working with the Power Manager.

The users using Power Manager must have comprehensive knowledge of SiWG917 M4 power states. The information about the SiWG917 low-power modes and current consumption in different power modes and power states is in [AN1430: SiWG917 Low-Power Application Note](#).

## KEY POINTS

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- Introduction to Power Manager in SiWG917
- Power Manager Architecture, features and advantages
- Power State Transition with Power Manager APIs
- Considerations while using Power Manager

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