

Synopsys and eWBM

eWBM Passes FIDO U2F Authentication Certification for MS1000 Microcontroller with DesignWare Security IP

“ Only Synopsys offered the complete portfolio of security IP we needed to deliver the full suite of features our customers required, including secure boot, secure authentication, real-time integrity monitoring, secure storage for management of keys and other sensitive information, and hardware accelerators.”
— Stephen Oh, CEO, eWBM

Business

eWBM Co., Ltd. is a fast growing Korean fabless semiconductor company delivering cutting-edge technologies for both internet of things (IoT) and image processing devices. eWBM is creating new concept of system-on-chip (SoC) products targeting wearable devices utilizing its high-performance, low-power design capabilities.

Challenges

Deliver SoC with strongest security available, including a Root of Trust

Acquire high-quality IP to meet aggressive time-to-market schedules with a limited in-house team size

“The DesignWare Security IP was bug-free and proven to work. Due to its high quality and ease of use, we were able to integrate the DesignWare Security IP very quickly...in about a week.”
— Stephen Oh, CEO, eWBM

Overview

eWBM developed the MS1000, a high-performance, low-power 32-bit microcontroller with enhanced