E-SMI-OOB Library: EPYC™ Systems Management Interface Out-of-band Library

Release Notes v1.1

Generated by Doxygen 1.8.13

Contents

1 EPYC™ System Management Interface (E-SMI) Out-of-band Library

Thank you for using AMD ESMI_OOB Library. Please use the `ESMI Out-of-band Support` to provide your feedback.

1.1 Changes Notes

1.1.1 Highlights of minor release v1.1

- Single command to create doxygen based PDF document

- Improved the esmi tool

1.1.2 Highlights of major release v1.0

APIs to Monitor and control the following feature

- Power
  - Get current power consumed
  - Get and set cap/limit
  - Get max power cap/limit

- Performance
  - Get/Set boostlimit
  - Get DDR bandwidth
  - Set DRAM throttle

- Temeprature
  - Get CPU temperature
  - Set High/Low temperature threshold
  - Set Temp offset
  - Set alert threshold sample & alert config
  - Set readorder

1.2 Supported Processors

- Family 17h model 31h
- Family 19h model 0h∼0Fh & 30h∼3Fh

1.3 Supported BMCs

Compile this library for any BMC running linux. Please use the ESMI Out-of-band Support to provide your feedback.

1.4 Supported Operating Systems

ESMI_OOB library should run any linux based operating systems with the following "System requirements"

1.5 System Requirements

1.5.1 Hardware requirements

BMC with I2c controller as master, i2c master adapter channel (SCL and SDA lines) connected to the "Supported Processors"

1.5.2 Software requirements

In order to build the ESMI_OBB library, the following components are required. Note that the software versions listed are what is being used in development. Earlier versions are not guaranteed to work:

1.5.2.1 Compilation requirements

- CMake (v3.5.0)

1.5.2.2 Packages

- libi2c-dev

In order to build the latest documentation, the following are required:

- Doxygen (1.8.13)
- latex (pdfTeX 3.14159265-2.6-1.40.18)

1.6 Dependencies

The ESMI_OOB Library depends on the libi2c-dev library.

1.7 Support

Pilease use ESMI Out-of-band Support for bug reports, support and feature requests.