

DESY MMC STAMP: Overview and recent improvements

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The DMMC-STAMP SoM (DESY Module Management Controller System on a Module) is a ready-to-use management solution for operating target AMCs in MicroTCA systems. The stock firmware covers all mandatory MicroTCA management requirements, and with the optional DMMC-SDK, developers can add features such as remote FPGA console access, in-system FPGA updates, PMBUS power management, and AMC sensor integration.

This talk presents an overview of the DMMC-STAMP and enhancements driven by new AMC developments at DESY and customer needs, including support for multiple power management chips, serial-over-IPMB for multiple FPGAs, and FMC sensor integration into IPMI monitoring.

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