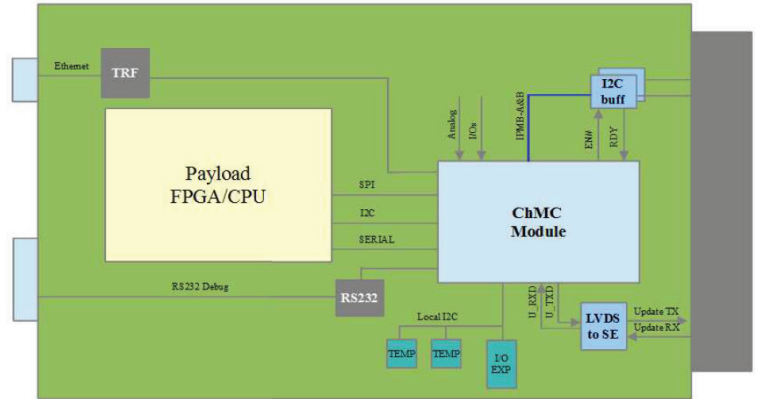


DESCRIPTION

This document briefly describes the architecture of the source code for the Elma VITA 46.11 ChMC software.



Example block diagram of VPX ChMC Card Implementation

SUPPORTED FEATURES

- IPMI Chassis Manager with redundant IPMB
- Redundant intelligent platform management bus (IPMB) for maximum system uptime
- Tier 2 Chassis Manager supporting Tier 1 and Tier 2 IPMCs
- Provides 16 digital inputs and 16 configurable digital outputs
- Power management
- Cooling control
- Sensor Event Log
- Input voltage: 3.3VDC

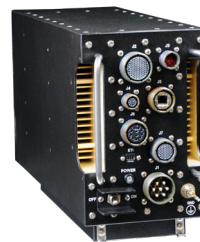
APPLICATIONS

Elma’s chassis management products can be used in a wide range of embedded computing applications including high performance defense, aerospace, high energy physics, instrumentation, manufacturing, telecommunications and others.

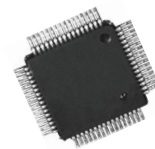
Example Order Number: SM-VP-CC-INT

Fully tested and integrated chassis manager / carrier card assembly for OpenVPX systems

RELATED PRODUCTS



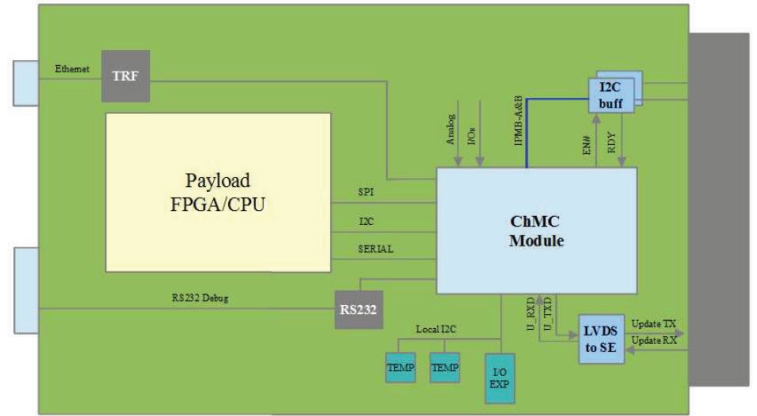
Chassis



IPMI Controller Chip

CASE VIEW

The VPX ChMC Software is intended to be used on any Front Loading VPX Plug-In Module. For quick starting designs, there is a hardware development platform available: the VPX ChMC card. The ChMC incorporates the Kinetis K64 uC loaded with the VPX ChMC software and also all the necessary peripherals required for implementing all the standard functionality.



CONSTRAINTS

The VPX ChMC Software was developed for a Freescale Kinetis K64 uC: 120MHz Cortex-M4F MCU, 1MB Flash, 256KB SRAM, Ethernet, 100-LQFP: The software implements a Tier 2 ChMC compliant to the VITA 46.11 System management on VPX specification.

STANDARDS CONFORMANCE

Elma’s Chassis Management product family is compliant with the following specifications:

- VITA 46.11, VPX Chassis Management
- IPMI v1.5, Intelligent Platform Management Specification

ORDER INFORMATION

Description	Part Number
VPX ChMC Software Source Code	79-V46-CHMC-SW

Please contact our sales team for more details.

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Germany: +49 7231 97 34 0
Israel: +972 3 930 50 25

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