



VSC410

Baseboard and Enclosure Management Controller

Extensive Peripheral Device Library for Reduced Development Cycles



This product is Not Recommended for New Designs. Some versions may be No Longer Available or being discontinued and subject to Last Time Buy, after which new orders can not be placed.

Description

The VSC410 is an embedded controller tailored for baseboard and enclosure management applications. The feature set and flexibility of this device make it an excellent fit as an enclosure solution for entry-level servers as well as for low-cost backplanes.

The VSC410 supports both baseboard management controller and storage enclosure processor (SEP) applications. Four I²C serial interface multimaster controllers and two general-purpose UARTs allow system designers to mix and match Intelligent Platform Management Bus (IPMB) and private two-wire serial interface configurations to best meet the requirements of a particular system. The dual SGPIO (SFF-8485) interfaces included in the VSC410 controller support additional serial interface requirements.

The VSC410 also includes a high-performance, 32-bit RISC processor that provides the processing bandwidth and addressability required for sophisticated enclosure management strategies. The Software Development Kit (SDK) and evaluation board allow for reduced development cycles, code reuse between implementations, and faster time-to-market.

Key Features

- 32-Bit RISC CPU with Debug Port
- Four IPMB or Multimaster I²C Serial Interfaces
- Two UARTs with Modem Control
- Up to 28 Programmable General-Purpose I/O Pins
- Dual SGPIO (SFF-8485) Interfaces
- PLL for Use with a Low-Frequency, Low-Cost Crystal
- External 4MB Flash Memory Address Range
- KCS and SMIC Logical Interfaces; Optional LPC and X-Bus System Interfaces

Applications/Uses

- Disk Arrays
- JBODs
- RAID Subsystems
- Servers

Part Number
VSC410XKM