

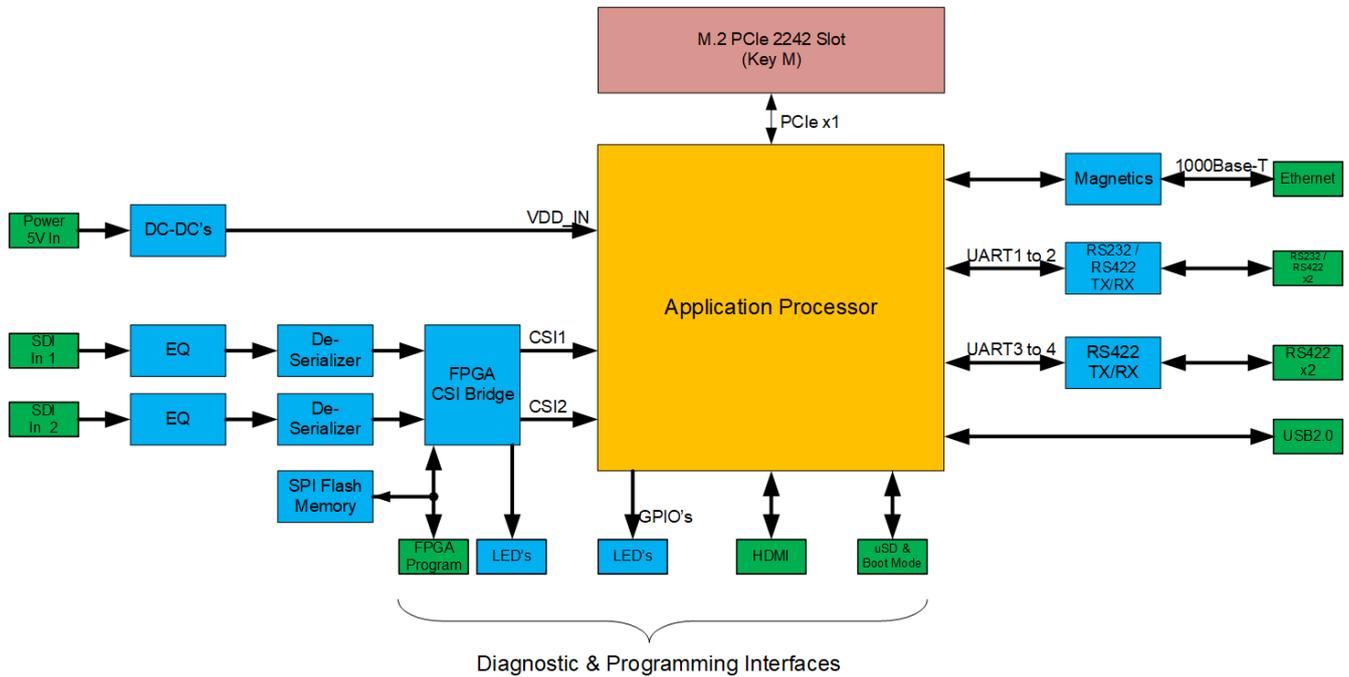


MiniCHARM-SDI

Compact Processing Module 65mm x 63mm x 18mm

The MiniCHARM is a standalone module for video and image processing applications which hosts the Vision4ce FrameWorkx image processing software. FrameWorkx includes the field proven DART video tracking software. The MiniCHARM is based on an application processor with a multicore ARM processor.

The MiniCHARM-SDI has two 3G SDI video inputs. The primary host interface is through an ethernet port and multiple serial ports are also provided. An M.2 slot can be used for expansion.



Video Interfaces

- 2 x digital video inputs – SD-SDI, HD-SDI, 3G-SDI 480i60, 576i50, 720p 50/59.94/60, 1080p25/29.97/30, 1080i50/59.94/60, 1080p50/59.94/60, 2160p25/29.97/30

Data

- 2 x RS232/RS422 serial interfaces (build option)
- 2 x RS422 Serial Interfaces
- 1 x 1000BaseT with magnetic
- 1 x USB 2.0 OTG

Expansion Slot

- 1 x M.2 PCIe slot, key M, 2242

Connectors

- Power (2 pin Nano-Fit header)
- Video (75 Ohm MMCX7 jack)
- Ethernet (2 row 12-way Gecko plug)
- RS232 and 422 (2 row 20-way Gecko plug)
- USB (micro-AB USB2.0 receptacle connector)

Power

- +5V, +/- 5%, <10 watts

Mechanical

- 65mm x 63mm

Environmental

- Operating temperature -25C to +71C