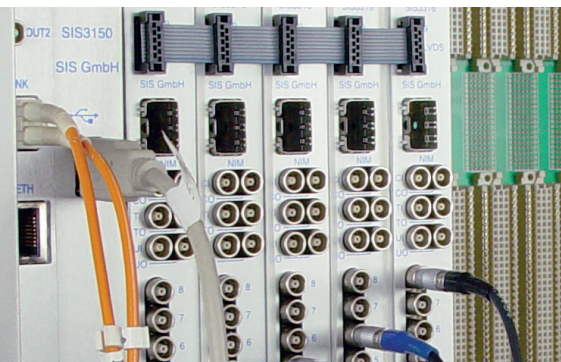




Modular Electronics for n/Gamma

- Open Standard
- FPGA Families for Vivado based Design
- Firmware Frameworks
- Integration of User Firmware
- System Integration

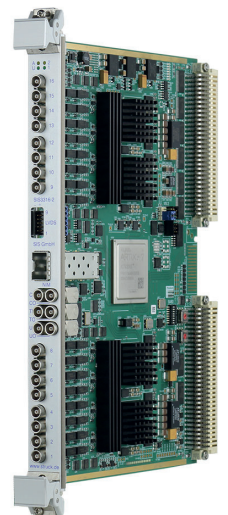
Artix-7 based

SIS3316-2 16 channel 16-bit 125 MS/s or 14-bit 250 MS/s VME Digitizer

The original Spartan-6 based SIS3316 digitizer board family has been used in a wide range of applications for more than a decade. The Artix-7 based SIS3316-2 is the form- and function-compatible follow up design. It is targeted at users who would like to develop or customize firmware with the Xilinx Vivado toolchain.

Functionality

- Single width 6U VME card
- 16 channels
- 125/250 MS/s per channel
- 16-bit/14-bit resolution
- XC7A200T-2FFG1156C Artix-7 VME FPGA
- XC7A75T-2FGG484C Artix-7 ADC FPGAs
- 64 MSamples memory/channel
- Two programmable input ranges
- LEMO 00 connectors
- 50 Ω or high impedance programmable
- Offset DACs
- 62.5/125 MHz analog bandwidth
- Internal/External clock
- Random clock mode for slow acquisition
- Multi event mode
- Readout in parallel to acquisition
- Pre/Post trigger capability
- Trigger OR output (16 individual thresholds)
- SFP cage (Gigabit Ethernet or Multi-Gigabit optical link connection)
- Front panel bus for synchronisation
- A32/D32/BLT32/MBLT64/2eVME
- 1-wire Id. serial PROM
- Generic and application specific firmware
- In field JTAG and JTAG over VME firmware upgrade capability
- VXS implementation on request



SIS3316-2
VME Digitizer

SIS3316-2-DT 16 Channel Desktop Digitizer

Standalone version based
on the SIS3316-2 VME card

- 19 - 36 V DC Power supply
- 16 channel 250 MSPS 14-bit or
- 16 channel 125 MSPS 16-bit
- GBit/s Ethernet readout (Optical link option)



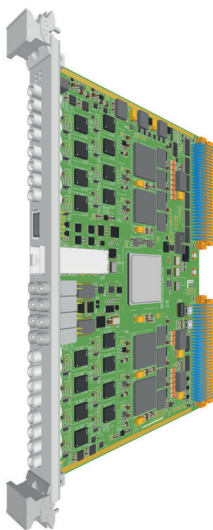
SIS3316-2-DT

new

Artix-7 based SIS3315 16 channel 18-bit 15 MS/s VME Digitizer

Functionality

- Single width 6U VME card
- 16 channels
- 15 MS/s per channel at 18-bit resolution
- Superior linearity
- Based on ADAQ23878 μ Module
- Several input ranges as soldering option
- Offset DACs
- Digital side as SIS3316-2 copy



SIS3315
Preview

VME Interface Family SIS3153 USB3.0/Ethernet SIS1100e2/SIS3104-2 PCIe



SIS3153



SIS1100e2/SIS3104-2

