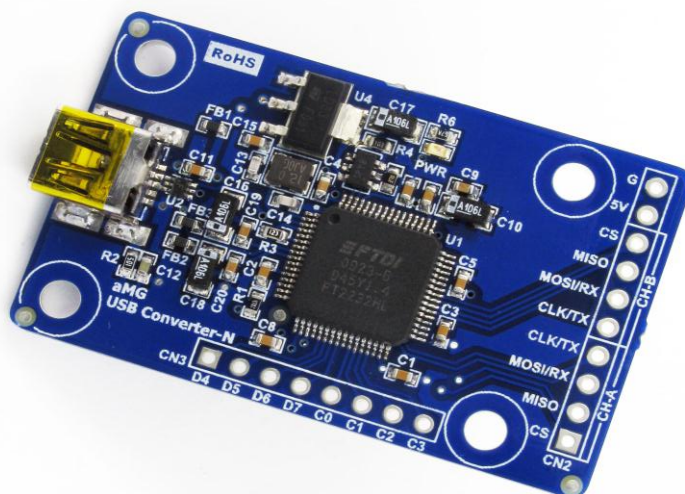


FEATURES

- Implement the FTDI Chip: FT2232H Dual High Speed USB to Multipurpose UART/FIFO IC
 - Single chip USB to dual serial / parallel ports with a variety of configurations.
 - Entire USB protocol handled on the chip. No USB specific firmware programming required.
 - USB 2.0 High Speed (480Mbits/Second) and Full Speed (12Mbits/Seconds) compatible.
 - Dual Multi-Protocol Synchronous Serial Engine (MPSSE) to simplify synchronous serial protocol (USB to JTAG, I2C, SPI or bit-bang) design.
 - Dual independent UART or FIFO or MPSSE ports. Independent Baud rate generators.
 - Fast Opto-Isolated serial interface option.
 - FTDI's royalty-free Virtual Com Port (VCP) and Direct (D2XX) drivers eliminate the requirement for USB driver development in most cases. Adjustable receive buffer timeout.
 - Independent Baud rate generators.
 - RS232/RS422/RS485 UART Transfer Data Rate up to 12Mbaud. (RS232 Data Rate limited by external level shifter).
- UART Interface supports 7/8 bit data, 1/2 stop bits, and Odd/Even/Mark/Space/No Parity.
- +3.3V I/O interfacing (+5V Tolerant).
- Extended -40°C to 85°C industrial operating temperature range.
- Matlab™/Simulink™ block support
 - GPIO Block, 8 pins available for digital input/ output.
 - SPI Blocks (Master).
 - I2C Blocks (Master).
 - Fast Serial Blocks (Fast Opto-Isolate Mode) enable up to 1kHz closed-loop Simulink HIL Simulation.
- ROHS Compliant

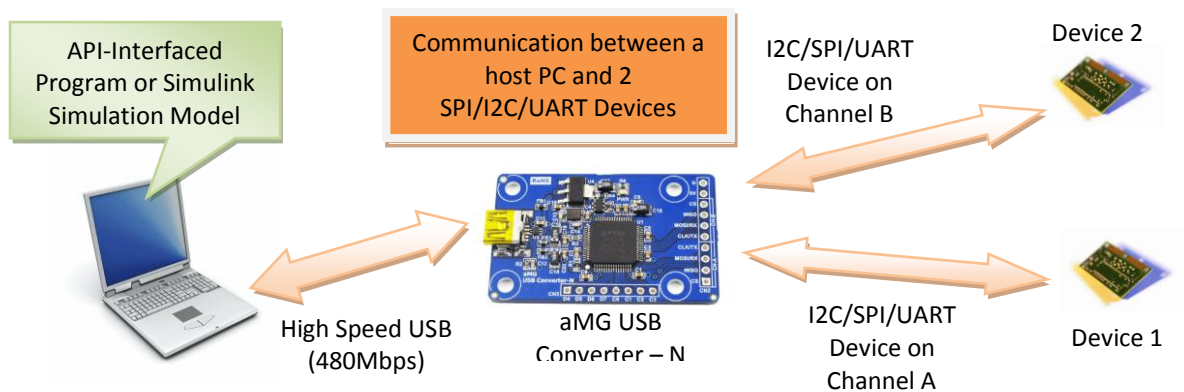
APPLICATIONS

- USB to UART converter with high-speed baud rate (up to 12Mbaud).
- USB to I2C converter.
- USB to SPI converter.
- USB to GPIO converter.
- FiO to Simulink high speed data acquisition up to 2kHz (dependent on host PC speed).
- FiO to Simulink closed loop HIL simulation up to 1kHz (dependent on host PC speed).

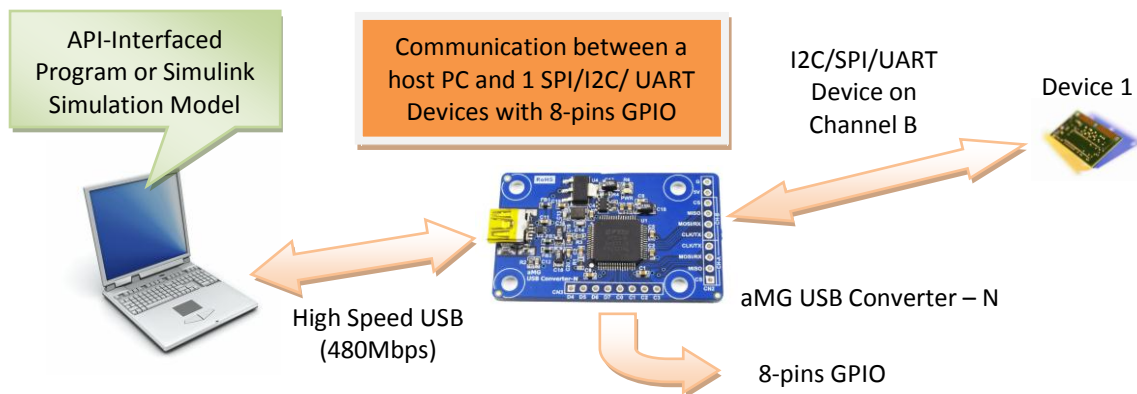


aMG USB Converter – N

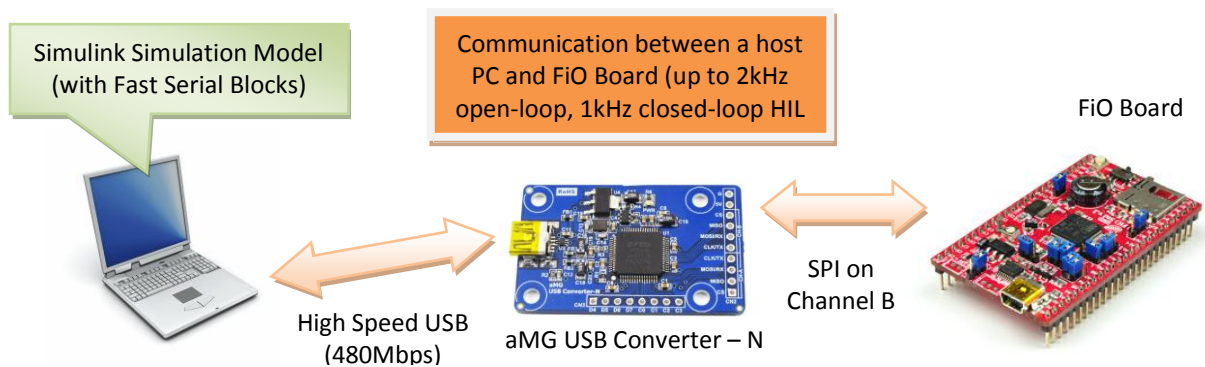
EXAMPLE APPLICATION 1



EXAMPLE APPLICATION 2



EXAMPLE APPLICATION 3



FURTHER INFORMATION

For further information and tutorials please visit: <http://www.aimagin.com/amg-usb-converter-n.html>

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