

GoBridge ASSPs are highly integrated, low-power, single-chip devices for interfacing and communicating between various types of peripheral interfaces. The GoBridge ASSPs are ideal for converting from one type of peripheral interface to another, multiplexing between multiple interfaces or demultiplexing to multiple interfaces.

The first two devices in the GoBridge ASSP product line are the GWU2X and GWU2U ASSPs, which provide interface conversion between USB and SPI, JTAG, I2C, GPIO and UART. Future ASSP's will be added to the Gowin GoBridge product line soon.

Built-in Interface conversion processing and data buffering

I/O independent power supply, supports 3.3V, 2.5V, 1.8V level standards

Configurable register map

Independent clock adjustment

API provided in C/C++ for host device usage

- Supports full-speed USB device interface, compatible with the Universal Serial Bus v1.1 specification
- Built-in USB protocol processing, without device firmware programming
- I/O independent power supply, supports 3.3V, 2.5V, 1.8V level standards
- 16 general-purpose input and output pins
- Supports I2C, SPI and JTAG host interfaces with independent clock adjustment and receive buffer
- API provided in C/C++ for host device usage
- Can be used to program Gowin FPGA products using Gowin Programmer