

# StarExpress

## PCI Express-to-StarFabric Bridge Board

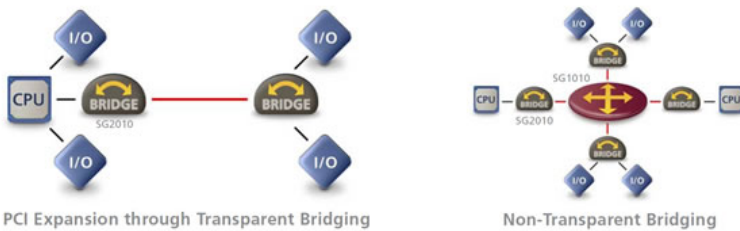
### FEATURES

The StarExpress is an industry standard, high-performance Interconnect solution for wide range of applications such as embedded systems, medical imaging, communications, and robotics...

The StarExpress bridges PCI Express and StarFabric. The PCI Express port support 4 lanes of Gen1 (2.5GT), and the StarFabric port support up to two 2Gbps StarFabric links. (Optional second link mezzanine required for two link operation)

StarExpress supports legacy PCI bridge function to expand host PC's slot to external units with standard Cat5e cables. No special device driver needed. The host OS recognizes StarFabric link as PCI bus.

StarExpress also support Host-to-Host high-speed communication.



PCI Expansion through Transparent Bridging

Non-Transparent Bridging

On board StarFabric PCI bus running 64-bit/66Mhz to maximize StarFabric bridge device performance.

StarBridge customizes optional mezzanine card with various link connector upon request.

### SPECIFICATIONS

#### HOST INTERFACE

- PCI Express
- Gen1, 2.5GT
- 4 lanes

#### LINK INTERFACE

- StarFabric
- 2Gbps
- 1 link (with standard base board)
- 2 links (with optional mezzanine)
- two RJ45 connectors for one link
- up to 12m with Cat5e cables

#### POWER CONSUMPTION

- 4W

#### MECHANICAL DIMENSIONS

- 140.0 mm x 64.75mm
- Low-profile PCI Express face plate available

#### OPERATIONAL ENVIRONMENT

- 0°C to +55°C
- RH 5% to 95% non-condensing

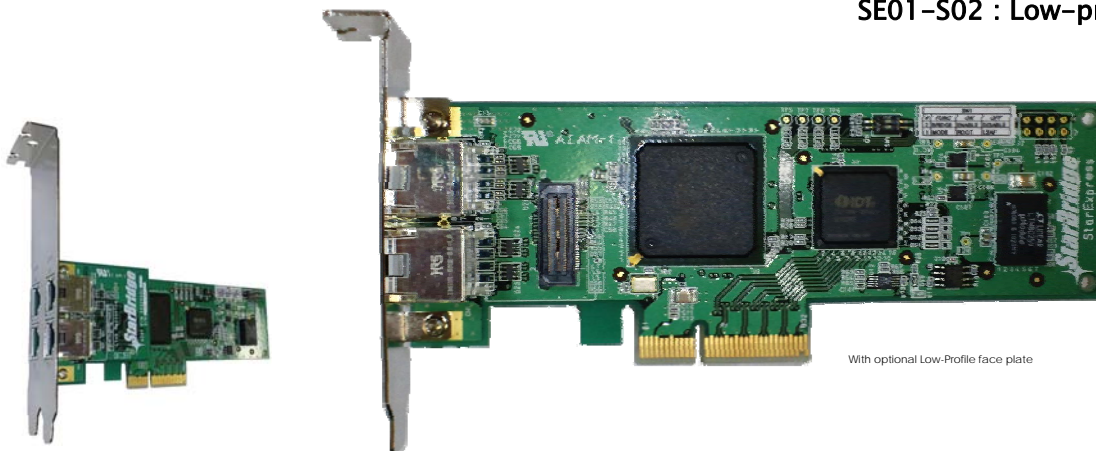
#### OPERATING SYSTEMS

- Windows XP or later
- Linux Kernel 2.6
- VxWorks

### PRODUCT CODE

SE01-S01 : Standard Face Plate

SE01-S02 : Low-profile Face Plate



With optional Low-Profile face plate