

The fabric interface consists of two 2.5 Gbps full-duplex links. These links are comprised of four aggregated 622 Mbps LVDS differential pairs. The two links can be bundled to create a 5 Gbps full duplex link to a single device or they can be used separately for redundant connections.

Example Applications

- Networking and Telecommunication Equipment
- Servers and Storage Systems
- Medical Imaging Systems
- Industrial Control & Automation Systems
- Video and Image Processing Systems
- Military Imaging and Communication Equipment
- Scientific High Performance Computing
- Automated Test Equipment
- PICMG 2.17 & 3.3 Compliant

Specifications

Core Power Supply:	Vdd = 1.5V +/-5%
I/O Power Supply:	Vdd = 3.3V +/-5%
Operating Temperature:	-40 to 85 Degrees C
Storage Temperature:	-55 to 125 Degrees C
Power Dissipation:	2.15W maximum
Package:	272 PBGA
Part Number:	SG2010-A4



Benefits

- Full PCI compatibility maintains investment in existing PCI hardware and software
- Non-transparent bridging function enables use of multiple processors and I/O domains in systems
- Provides two StarFabric ports for redundant routing and flexible topologies
- CAT5e cabling supplies a simple low cost method to cable multiple systems and expansion boxes for up to 40 feet
- Improves system performance through utilization of multiple classes of service (CoS)
- Low latency interconnect

PCI to StarFabric Interface

