**EB400 EXPANSION SYSTEM**

**Quick Start Guide**

**EB400 5/8-SLOT GEN 4**

**Block Diagrams**

**Configuration #1:** 5-Slot backplane connected to a single computer.
- **1** Upstream slot
- **4** Downstream slots
- **1** Option slot

**Configuration #2:** 8-Slot backplane connected to a single computer.
- **1** Upstream slot
- **7** Downstream slots
- **1** Option slot

**Install Host & Target Cards**

**Connect Link Cables to Target Card**

- **Power UP Computer.**
- **Connect power cable(s) to the computer.** Upon powering UP the computer, it will initialize a link between host and target.

**Apply Power**

- **Connect all available power cables to the power supplies.** The expansion unit will power UP instantly.

**Set Host & Target Card Switches**

- **Check Host card dipswitches are set to Host mode x16.** See photo below.

- **Check Target card dipswitches are set to Target mode.** See photo on the right.

**Backplane Dipswitch Settings**

- **Check the dipswitches are set properly.** See settings below.

**Cable Diagram**

- **Cable diagram below shows how to connect all four SFF-8644 cables between Host and Target cards.**

**Power Supply and Front LEDs**

- **The following LEDs will illuminate when the expansion unit is fully powered up and initialized.**
  1. **PSU Good:** solid green.
  2. **OSS logo:** solid blue.
  3. **STANDBY / MAIN PWR:** solid-green.
  4. **IPMI:** solid green (if equipped).

**Verify Host and Target Card Link LEDs**

- **Verify and check that there is a stable link between Host and Target cards.** Both cards will illuminate the following board LEDs when linked @ x16. The LINK LED will illuminate as solid green.

**Unit is Ready**

- **The unit is now ready to use.**
  - **To install your PCIe cards, shutdown the expansion unit and computer completely.**
  - **Disconnect power cables from the expansion unit.**
  - **Plug in your PCIe cards in the downstream slots and secure it.**
  - **Reconnect power cables to expansion unit.**
  - **Turn ON the computer.**

Please refer to the manual for more details.

**Electrostatic Discharge (ESD) Warning**

- **Electrostatic discharge (ESD) is the enemy of semiconductor devices.** You should always take precautions to eliminate ESD before touching any semiconductor device or card by using an electrostatic wrist strap and a grounded mat.

**FCC Statement**

- **This device complies with Part 15 of the FCC Rules.** Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

**Industry Canada**

- **The Class A device, as described in this manual, complies with all applicable Canadian ICES-003 Class A requirements.** One Stop Systems will not service or warranty systems or components that have been reconfigured by customers.

**Note**

- **EC** stands for the ‘Community’ and is the same as the CE Marking (consult your local regulatory body).