ATTO Technology, Inc.

Product Release Notes

FibreBridge 7500 Firmware Release v1.10

1. General Release Information

These product release notes define the features, known issues and release details that apply to the FibreBridge 7500 version 1.10 that was released on 10/30/2014.

2. Introduction

- *Version 1.10 (Released 10/30/14)*

  - **Release details**
    - *This release supports new diagnostic features for the 7500 platform*
      - *Added Fibre Channel and SAS Dynamic Trace Logging*
      - *Ethernet Trace Logging*
      - *BAU Acceleration Engine Trace Logging*

- *Version 1.01 (Released 9/23/14)*

  - **Release details**
    - *Added support for a full 240-drive configuration, 10 shelves of 24 drives each.*

- *Version 1.00 (Initial release 9/3/14)*

  - **FibreBridge 7500 Specifics**
    - *New Acceleration platform increases performance x10 over previous generation*
    - *7500 Storage Controller bridges 2x 16Gb Fibre Channel to 4x (4 lane) 12Gb SAS*
    - *Fully data protected architecture eliminates silent data corruption*
    - *Adds less than 4 microseconds of latency to attached storage*
    - *Dual hot-swap power supplies*
    - *Flash ROM supports dual boot images for greater reliability during firmware updates*
    - *Large flash event log stored in NAND memory for field diagnostics*
    - *Fibre Channel SFP+ modules included with product*
    - *Dual 100/1000 Ethernet management ports*
    - *Battery-free design*

  - **Initial Release Features**
    - *Supports SAS 3Gb, 6Gb and 12Gb disk storage devices*
    - *Supports SATA 3Gb and 6Gb disk storage devices*
    - *Supports connection to 4Gb, 8Gb and 16Gb Fibre Channel*
    - *Drive Map Director™ feature provides predictive enclosure-aware mapping scheme*
    - *ExpressNAV™ System Manager GUI, CLI, FTP and Telnet access*
    - *Available FC and SAS port statistics*
    - *Available in-band access*
    - *SNMP Support*
    - *SMTP Support*

3. Known Issues/Advisements

- Both network ports behave normally if connecting to/from devices on their network subnet. If both network ports are on the same subnet, network connections made from the 7500 to devices on another subnet will only be made through one port, as follows:
  - ○ The first network port to obtain a network address on a given subnet behaves normally.
  - ○ The second network port to obtain an address on the same subnet acts as a failover address, only able to communicate to out-of-subnet addresses when the first port goes down
  - ○ These ports can switch back and forth if they lose connectivity in rotation, though the timing of this can be problematic if one goes down exactly when the other is coming up
  - ○ If both of our ports are on different subnets, they work normally
- Note that when you plug in a power cable to one of the power supplies on the 7500, power is immediately enabled on the controller, there is no power switch.
- The Drive Map Director™ feature requires that SAS enclosures support the SMP protocol, for specific information contact ATTO tech support, if enclosures do not support the SMP protocol then mapping occurs via the Automap feature.

4. Affected Products

Product Name	SKU
FibreBridge 7500D	FCBR-7500-DPS

5. Contacting ATTO Support

ATTO Technology, Inc. is renowned for its technical support services. ATTO's goal is to provide you the quickest response possible for your technical support needs, and is available Monday-Friday, 8:00 AM to 8:00 PM EST (except holidays and plant closings).

ATTO Technical Support can be contacted via phone or email:

- Phone: 716.691.1999 ext. 242
- E-Mail: techsupport@attotech.com