



ATTO Technology, Inc.

# Product Release Notes

## XstreamCORE ET 8200 Firmware Release v1.00

### 1. General Release Information

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These product release notes define the features, known issues and release details that apply to the XstreamCORE ET 8200 version 1.00 that was released on 11/13/2017.

### 2. Introduction

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- **Version 1.00 (Released 11/13/2017)**

- **XstreamCORE ET 8200 Specifics**

- *8200 Storage Controllers bridge (2) 40Gb Ethernet links to (4) 12Gb SAS connectors (16 PHYs)*
- *Support for up to 240 SSDs or HDDs*
  - *Support for up to 960 SSD or HDD disk drives for OEM customers*
- *Data path fully protected - eliminates silent data corruption*
- *Adds less than 2 microseconds of latency to attached storage*
- *Dual hot-swap power supplies*
- *Flash ROM supports dual boot images for greater reliability & on-line firmware updates*
- *Large flash event log stored in NAND memory for more efficient field diagnostics*
- *Ethernet QSFP+ modules included with product*
- *Dual 100/1000 Ethernet management ports*
- *Single USB management port*
- *Single serial management port*
- *Battery-free design*

- **Initial Release Features**

- *Supports connection to 10Gb and 40Gb Ethernet with iSER*
- *Supports SAS 3Gb, 6Gb and 12Gb disk storage devices*
- *Supports SATA 3Gb and 6Gb disk storage devices*
- *xCORE™ provides low latency data movement using parallel I/O acceleration engines*
- *eCORE™ Control Engine provides common storage and management services*
- *Drive Map Director™ feature provides predictive enclosure-aware mapping scheme*
- *XstreamVIEW™ System Manager GUI, CLI, FTP and Telnet access*
- *Available port statistics*
- *Secure protocols*
- *SNMP Support*
- *SMTP Support*

- **Operating Requirements**

- *This release support iSCSI Extensions for RDMA over Ethernet (iSER)*
- *To access iSER performance you must have an Ethernet NIC capable of RDMA (RoCE and iSER), if using Ethernet switches they must support flow control or PFC (Priority Flow Control) and operating systems that support iSER which include:*
  - *SuSE Linux*
  - *Red Hat Enterprise Linux (RHEL)*
  - *CentOS Linux*

### 3. Known Issues/Advisements

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*This is the first release of the XstreamCORE ET 8200. There are several known issues listed below. Most issues are in process to be rectified in a future release.*

- IR17724: QuickNAV displays 8200 IP address as 0.0.0.0
- IR17742: Toggling between USB and serial connections does not function properly.
- IR17752: The iSCSI MIB is not presented in snmpdumplib
- IR17807: Legacy, non-accelerated iSCSI is not supported at this time
- IR17825: Wrong IP address reported in event log when logging into XstreamVIEW
- IR17868: No current way to verify RDMA connections on the controller
- IR17910: No reason is listed for a coredump when running the coredumpinfo command
- IR17923: QuickNAV only allows users to set an ipv6 address
- IR17959: No link up/down is recorded in the eventlog
- IR18048: There must not be any initiators logged into the controller to issue a restoreconfiguration.
- IR18103: Drives added after login are not accelerated
- IR18106: Flashimages incorrectly reports invalid flash image CRC
- IR18123: Unable to connect to XstreamVIEW or telnet using IPv6
- IR17926: Manual IPv6 is not reliable
- IR18137: Log failed CHAP authentication attempts
- IR18148: Eventlog messages dropped when not connected to an SNTP server.

The following IRs may cause a system reboot when using iSCSI (instead of iSER) or when pulling SAS cables. This release does not support legacy iSCSI or SAS cable pulls.

1. IR18130: The 8200 may crash while running I/O on one initiator, and logging out of a second initiator. This affects legacy iSCSI logins only. Non-iSER operation is not recommended with this release.
2. IR18120: The 8200 coredumps when SAS cables are pulled and reinserted. Cable pull testing is not recommended, and will be addressed in a future maintenance release.

### 4. Affected Products

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Product Name	SKU
XstreamCORE ET 8200	XCET-8200-002

### 5. Contacting ATTO Support

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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](mailto:techsupport@attotech.com)