



## FastFrame 10GbE CNA Release v1.30 - Linux

### 1. General Release Information

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These product release notes define the new features, changes, known issues and release details that apply to the FastFrame Converged Network Adapter products v1.30 that was released on 09/05/2013. This information pertains to the Red Hat Enterprise Linux 5, 6 (i386, x86, x64), CentOS 5, 6 (i386, x86, x64), openSUSE 11(x86, x64), SUSE Linux Enterprise Server 11 (x86, x64).

### 2. Changes

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- **Version 1.30 (Released 09/03/2013)**

- The following apply to driver v1.30
- **New Features**
  - Enhancements have been made to the interrupt coalescing settings.
  - Improvements have been made to handling of direct-attached copper cables.
  - Improvements have been to logging and handling of DCBX errors.
  - Improved handling of unexpected logouts or login failures.
  - Improved dynamic interrupt coalescing algorithm.
  - Resolved timeout emptying tx ring 0020 whenever a port is disabled.
  - Corrected a network connectivity issue on a switch fabric when CEE is enabled.
  - Added support for kernel versions openSUSE 11.3, 11.4.
- **Supported OS**
  - Red Hat Enterprise Linux 5, 6 (i386, x86, x64)
  - CentOS 5, 6 (i386, x86, x64)
  - SUSE Linux Enterprise Server 11 (x86, x64)
  - openSUSE 11.x (x86, x64)

- **Version 1.20 (Released 06/21/2012)**

- The following apply to driver v1.20
- **New Features**
  - Initial release of CNA Advanced Features
    1. Data Center Bridging Exchange (DCBX) Protocol
    2. MSI interrupts
    3. VN2VN port connections
    4. Target Mode
    5. SM-HBA
  - Implemented new transmit and interrupt watchdog timers
  - General performance enhancements
- **Supported OS**
  - Red Hat Enterprise Linux 5, 6 (i386, x86, x64)
  - CentOS 5, 6 (i386, x86, x64)
  - SUSE Linux Enterprise Server 11 (x86, x64)

- **Version 1.00 (Released 05/18/2011)**
  - The following apply to driver v1.00
  - **New Features**
    - Initial release of Linux drivers for the FastFrame 10GbE Converged Network Adapters
  - **Supported OS**
    - Red Hat Enterprise Linux 5 (x86, x64)
    - Fedora 12 (x86, x64)
    - SUSE Linux Enterprise Server 11 (x86, x64)
    - openSUSE 11.2 (x86, x64)

### 3. Known Issues/Advisements

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- Changing LLI moderation settings using the AtCnaNvr CLI tool does not work and disables all LLI settings. A workaround is to use ATTO Configuration Tool to change LLI moderation settings.
- CNA driver causes kernel panic in Fedora 12 (stock) when utilizing FCoE and Ethernet traffic.
- Bonding doesn't work in Red Hat 5.7 x86.
- No link light on CSxx adapters in Linux.
- It is recommended to not load ffxgbe in SLES 11 x64 to prevent a possible hang.
- Using jumbo frames as a replacement for standard frames will allow for full utilization of 10Gb Ethernet.

### 4. Affected Products

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Product Name	SKU
FastFrame CS11	FFRM-CS11-000
FastFrame CS12	FFRM-CS12-000
FastFrame CS14	FFRM-CS14-000

### 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 6:00 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)