

**AS6712-32X**  
**Data Center Switch**  
**Release Note Version 2015.11.00.05-2016.06.06.00**

### 1.0 Introduction

AS6712-32X consists of 32 40GbE QSFP Ethernet ports. The dimensions of the AS6712-32X are 1 RU high, 20.3 inches deep and 17.3 inches wide. AS6712-32X includes two AC or DC load-sharing, 1+1 redundant power supplies, and five fan-tray modules. The power supplies and fan module are hot swappable Field Replaceable Units. Both the power supplies and the fan-tray module are available in port-to-power or power-to-port SKUs. The switch can be managed either by in-band management via the network remotely, or out-of-band management via the console port or Ethernet management ports (both RJ45) locally.

### 2.0 Release Content

1. **ONIE Installer Ver. 2015.11.00.05, 2016/04/15**
2. **BIOS Ver. A020820, 2015/08/20**
3. **Diagnostic Ver. 1.0.0.9, 2016/06/02**
4. **sys\_eeprom Ver. 1, 2014/12/29**

### 3.0 Test Completion

1. **Engineering Integration Tests (EIT)**  
 1> **EIT Completed on 2016/06/06**
2. **NTC Tests**  
 1> **NTC Completed on 2016/06/xx**

### 4.0 Software/Firmware Fixes, Changes, and Enhancements

*The \* mark indicates engineering items.*

#### 1. ONIE Installer

**Ver. 2015.11.00.05, 2016/04/15**

1	Migrate to ONIE 2015.11.0 latest code base in order to support MLC eUSB module
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**Ver. 2014.08.00.10, 2014/10/23**

1*	First release. Please refer to <a href="http://opencomputeproject.github.io/onie/docs/design-spec/">http://opencomputeproject.github.io/onie/docs/design-spec/</a>
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#### 2. BIOS

**Ver. A020820, 2015/08/20**

1	Apply cold start patch
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**Ver. A021120, 2014/11/20**

1	Enable the “Fast boot” for shorten the power up time
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**Ver. A021117, 2014/11/17**

1	Disable the “Dynamic Self Refresh” for fixing the DMA issue in both Diag and Cumulus NOS
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**Ver. A011009, 2014/10/09**

1	Update Intel microcode to 125 version
2	Change DMI data product name to AS5712-54X

**Ver. A011003, 2014/10/03**

1	Cancel SPD write disable to resolve failed to write to transceiver EEPROM issue
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**Ver. A010707, 2014/07/07**

1	Set Setup Prompt Timeout default as 3 seconds
2	Remove unnecessary error messages during BIOS POST
3	modify string " Press <ESC> to enter setup
4	Enable TPM feature

**3. Diagnostic****Ver. 1.0.0.9, 2016/06/02**

1	Modify for supporting MLC eUSB module.
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**Ver. 1.0.0.3, 2014/12/18**

1	Initial version
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**6. sys\_eeprom****Ver. 1, 2014/12/29**

1	Initial version
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**5.0 Known Limitations & Workarounds**

1. BIOS PXE netboot can only link in 1G mode
2. BIOS can't detect USB port. This is fixed in hardware R01 version (CPU board)
3. Fetching installer image from FTP via IPv6 is not supported
4. Some BIOS config changes can't be preserved after reboot