

**AS5600-52X**  
**Data Center Switch**  
**Release Note Version 2014.08.00.13-2014.11.14.00**

**1.0 Introduction**

AS5600-52X consists of 48 10G SFP+ ports and 4 40GbE QSFP+ ports. The dimensions of the AS5600-52X are 1 RU high, 438.4 mm wide and 473mm deep. AS5600-52X includes two AC or DC load-sharing, 1+1 redundant power supplies, and one fan-tray module with integral 3+1 redundant fans. The power supplies and fan module are hot swappable Field Replaceable Units. Both the power supplies and the fan-tray module are available in front-to-back or back-to-front 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. 2014.08.00.13, 2014/11/14**
2. **Bootloader Ver. 3.0.4.8, 2014/11/14**
3. **Diagnostic Ver. 0.0.0.10, 2014/06/11**
4. **sys\_eerom Ver. 3, 2014/11/14**

**3.0 Test Completion**

1. **Engineering Integration Tests (EIT)**  
1> **EIT Completed on 2014/09/29**
2. **NTC Tests**  
1> **NA**

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

The \* mark indicates engineering items.

**1. ONIE Installer****Ver. 2014.08.00.13, 2014/11/14**

1	ONIE updater writes the value of "0x29 ONIE Version" in sys_eeprom, and "ver" in uboot environment during updating process.
2	Supports kernel module insertion

**Ver. 2014.08.00.08, 2014/09/29**

1	Increased the expire time for management port negotiation to 10 seconds
---	---

**Ver. 2014.08.00.05, 2014/09/11**

1	Upgraded to ONIE v2014.08
2	Changed to use the standard naming in machine.conf: onie_platform changed to powerpc-accton_as5610_52x-r0 from powerpc-as5600_52x onie_machine changed to accton_as5610_52x from as5610_52x
3	Made the v2014.08.00.05 updater flexible to allow to update from the pre-v1.6.1.4 with old onie_platform "powerpc-as5600_52x" and the post-v2014.08 with new onie_platform "powerpc-accton_as5600_52x-r0"
4	Removed mkfs.ext3 from ONIE for image size concern. mkfs.ext3, if needed, should be loaded in the switch software installer.

**Ver. 1.6.1.3, 2013/11/04**

1	Added ONIE updater that accepts three different machine names, accton_5652, es5652bt2-flf-zz, and as5610_52x
2*	Bug fix: ONIE still fetches the default installer filenames even DHCP option 66 and 67 are provided
3*	Bug fix: ONIE still fetches the default installer filenames even DHCP option 150 and 67 are provided

**Ver. 1.6.1.2, 2013/10/16:**

1	Added mkfs.ext2
2	Changed MACHINE to "as5600_52x", no VENDOR_REV.

**Ver. 1.6.1.0, 2013/08/29**

1	Initial version
---	-----------------

**2. Bootloader****Ver. 3.0.4.8, 2014/11/14**

1	Enhanced in the u-boot built with ONIE 2014.08.00.12: Accton powerpc platforms: Sync u-boot environment to latest code.
---	--

**Ver. 3.0.4.7, 2014/09/11**

1	Changed the default value of environment variables, platform=accton_as5600_52x and
---	--

	onie_platform=powerpc-accton_as5600_52x-r0, to be consistent with ONIE v2014.08.
--	--

**Ver. 3.0.4.6, 2014/03/20**

1	Changed Diag LED to light green if no error caught
2	Fixed "Waiting for D_INIT timeout. Memory may not work" message

**Ver. 3.0.4.4, 2014/01/08**

1	Changed "platform" value to accton_5652
---	---

**Ver. 3.0.4.3, 2013/12/09**

1*	Created "platform" in uboot environment if it does not exist
----	--

**Ver. 3.0.4.0, 2013/11/04**

1*	Linux kernel with 0x2000 (2KB) uboot environment size will be forced to use size 0x10000 (64KB) when boot up
2*	Linux kernel with 0x2000 (2KB) uboot environment size will be forced to use size 0x10000 (64KB) when boot up

**Ver. 3.0.3.0, 2013/10/15**

1*	Added DRAM test for production test purpose.
----	--

**Ver. 3.0.2.0, 2013/10/02**

1*	Fixed Loader console output incorrect DDR speed.
----	--

**Ver. 3.0.1.0, 2013/10/02**

1	Added support to both 83.3M and 66.7M Oscillator.
---	---

**Ver. 3.0.0.0, 2013/09/25**

1	Initial version
---	-----------------

**3. Diagnostic****Ver. 0.0.0.10, 2014/06/11**

1	Applied the new rc.soc
2*	Applied the new burn-in loopback traffic test criteria
3*	Fixed burn-in bug: port loopback OK but reported error.

**Ver. 0.0.0.9, 2014/04/09**

1	Improved the burn-in error log
---	--------------------------------

**Ver. 0.0.0.7, 2013/12/06**

1*	judged PSU air flow by reading EEPROM "4M1" as front to back and "4M2" as back to front
2*	Removed fan test from burnin.

**Ver. 0.0.0.6, 2013/11/29**

1*	Corrected PSU test
----	--------------------

2*	Implemented for 40G single loopback burnin test: adding 40G specific setting in the rc.soc that is only used when Diag enters burnin mode.
----	--

**Ver. 0.0.0.5, 2013/11/11**

1	Initial version
---	-----------------

**4. sys\_eeprom****Ver. 11, 2014/11/14**

1	Added "0x28 Manufacturer=Accton", "0x2C Country Code=TW", "0x2D Vendor Name=Edgecore" and "0x2E Diag Version"
---	---

**Ver. 11, 2014/09/11**

1	Added 0x28 Platform Name "powerpc-accton_as5710_52x-r0"
---	---

**Ver. 10, 2014/01/13**

1	Initial version
---	-----------------

**5.0 Known Limitations & Workarounds**

None