

AS4600-54T
Data Center Switch
Release Note Version 2014.08.00.10-2015.02.24.01

1.0 Introduction

AS4600-54T consists of 48 10/100/1000 Base-T ports with additional 4 10 Gigabit SFP+ ports. There are two optional expansion modules which supports 2*40G stacking or uplink ports on the rear panel. The management port on the front panel can be used to download the software.

2.0 Release Content

1. **ONIE INSTALLER VER. 2014.08.00.10, 2014/10/23**
2. **BOOTLOADER VER. 3.0.1.9, 2014/10/23**
3. **DIAGNOSTIC VER. 0.0.0.16 2015/01/21**

3.0 Test Completion

1. **Engineering Integration Tests (EIT)**
 1> EIT Completed on 2014/10/24 (excluding diag 0.0.1.16)
2. **NTC Tests**
 1> NTC Completed on 2014/12/08 (excluding diag 0.0.1.16)

4.0 Software/Firmware Fixes, Changes, and Enhancements

1. ONIE Installer

Ver. 2014.08.00.10, 2014/10/23

1	Added support for inserting kernel modules for updaters and installers running on 2014.08.00.10 or later, to do CPLD update.
2	Added support for writing "sys_eeprom" for updaters and installers running on 2014.08.00.10 or later, to update "sys_eeprom". Also, implemented (starting from 2014.08.00.10) actually updating "sys_eeprom" when running on ONIE which supports doing this (2014.08.00.10). This means that if you are running 2014.08.00.08, you need to update first to 2014.08.00.10 to support writing "sys_eeprom", and then, while running ONIE 2014.08.00.10, run the installer for 2014.08.00.10 again to actually update the "sys_eeprom".
3	Changed all partitions to read/write, so that, in the future, e.g., RCW may be updated via ONIE.
4	Disabled the driver for PHY interrupts, so that for hardware versions R01D and later (e.g. R01E), the management port can link up in ONIE.

Ver. 2014.08.00.08, 2014/09/24

1	Increased the time-out when ONIE starts when waiting for autonegotiation of the management port.
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Ver. 2014.08.00.05, 2014/09/02

1	Upgraded to ONIE v2014.08.
2	Changed to use the standard naming in /etc/machine.conf: onie_platform=powerpc-accton_as4600_54t-r0 onie_machine=accton_as4600_54t
3	Made the v2014.08.00.05 updater flexible to allow to update from the v1.6.1.6 or earlier with old onie_platform "powerpc-as4600_54t-r0" and the v2014.08 or later with new onie_platform "powerpc-accton_as4600_54t-r0".

Ver. 1.6.1.5, 2013/11/11

1	adding ONIE updater that accepts three different machine names, accton_4654, ees4654bf-flf-zz, and as4600_54t
2	bug fix: (ONIE)ONIE still fetching the default installer filenames even DHCP option 66 and 67 are provided
3	bug fix: (ONIE)ONIE still fetching the default installer filenames even DHCP option 150 and 67 are provided

Ver. 1.6.1.4, 2013/10/24

1	add mkfs.ext2
2	change MACHINE to as5610_52x, no VENDOR_REV

Ver. 1.6.1.3, 2013/10/04

1	add mkfs.ext2
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2. Bootloader**Ver. 3.0.1.9, 2014/10/23**

1	Updated the default ONIE version number (2014.08.00.10) inside u-boot.
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Ver. 3.0.1.8, 2014/09/02

1	Changed the default value of environment variables to be consistent with ONIE v2014.08: platform=accton_as4600_54t onie_platform=powerpc-accton_as4600_54t-r0
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Ver. 3.0.1.7, 2014/03/20

1	to correct lighting of Diag, PSU, FAN, and Module LEDs
2	fixed "Waiting for D_INIT timeout. Memory may not work" message

Ver. 3.0.1.6, 2014/01/10

1	force LED2 (54616S INIT_L) to high
2	improve coding style

Ver. 3.0.1.5, 2013/12/09

1	auto create "platform" in uboot environment if it does not exist
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Ver. 3.0.1.4, 2013/11/27

1	add environment variable "platform" with value as4600_54t
2	update the value of environment variable "ver" to flash

3	change the default fan speed to full speed
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Ver. 3.0.1.2 2013/11/08

1	Linux kernel with 0x2000 (2KB) uboot environment size will be forced to use size 0x10000 (64KB) when boot up
2	fine tune the speed of accessing external USB to be compatible with more USB disks to read big files

Ver. 3.0.1.1, 2013/10/17

1	Fixed the second usb start failure problem
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Ver. 3.0.0.1, 2013/10/04**3. Diagnostic****Ver. 0.0.0.16, 2015/01/21:**

1	Add commands to read USB controller firmware and write correct type.
2	Smart partitioning of flash if it is in the wrong partition.

Ver. 0.0.0.15, 2013/12/25:

1	fix redundant print message when checking only one PSU.
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Ver. 0.0.0.14, 2013/12/18:

1	correct the test item for PSU FAN direction
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Ver. 0.0.0.12, 2013/11/11:

1	initial version
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4. sys_eeprom**Ver. 6, 2015/01/21**

1	Changed 0x2E Diag Version from “not needed to be written during Production Testing” to “needed to be written during Production Testing depend on needs”.
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Ver. 5, 2014/11/19

1	Updated to remove some need for Production Test to write.
2	Added more non-blank default values.

Ver. 4, 2014/10/24

1	Changed 0x29 ONIE version from “2014.08.00.08” to “2014.08.00.10”.
2	Added more default values.

Ver. 3, 2014/09/26

1	Changed 0x29 ONIE version from “2014.08.00.05” to “2014.08.00.08”.
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Ver. 2, 2014/09/05

1	Changed 0x28 Platform Name from “powerpc-as4600_54t-r0” to “powerpc-accton_as4600_54t-r0”.
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Ver. 1, 2013/11/04

1	Initial version.
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5.0 Known Limitations & Workarounds

None