

SONiC

Release Note

Ver. 1.0

(AG9032V2)

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Signature of Approval

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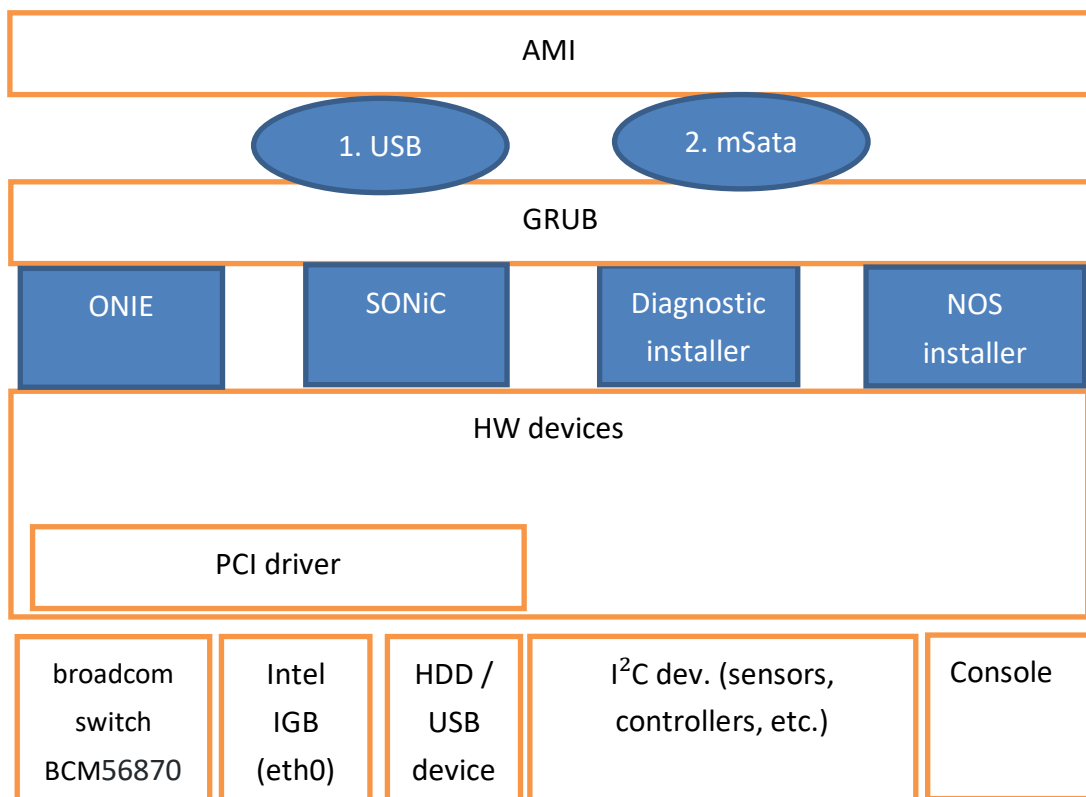
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Revision History

Date	Version	Author	Comment
05/31/2018	V1.0	Hans Tseng	1. First edition 2. Base on following SDK version to develop this released version - SONiC github commit id: “f3f8b9ff57e227d7f39f5bed48a7c7c46822bb8c” - OpenNSL version : 3.5.0.4 - Broadcom SAI version 3.2.1.1

1. General description

The switch device is pre-installed ONIE in mSata storage; user can access system either by console port. BIOS is AMI BIOS, a bunch of system messages are shown in the console while booting. The Diagnostic program on ONIE installer fully leverages BCM shell by adding one extra menu specific to the device. And the SONiC base on the SONiC github to develop. The conceptual SW block diagram is as below:



Then boot the system can through console port press or <ESC> key to select the boot mode (the boot option priority is 1. mSATA 3ME , 2. UEFI: Built-in EFI Shell)

Console port settings is: 115200, n, 8, 1

2. Base Hardware information

Main Chip	Company	Description
Intel Denverton C3538 -1.7GHz	<i>Intel</i>	X86 CPU
BCM56870	<i>Broadcom</i>	Switch Controller
DDR3 ECC SO-DIMM		System Memory
mSATA SSD		Storage

3. SONiC

SONiC is designed to be portable to a variety of network devices. Among devices, the majority of platform-dependent code involves controlling the ASIC, which SONiC handles via the [Switch Abstraction Interface \(SAI\)](#). However, many devices share the same ASIC platform, and only differ in other device-specific hardware components which require custom device drivers and/or configuration files which are loaded when the system is initialized.

4. Install SONiC Package

In linux command mode, using following command to make up the image

```
cat sonic-broadcom.tar.bz2.part* > sonic-broadcom.tar.bz2
```

```
tar -jxvf sonic-broadcom.tar.bz2
```

Then you could install "sonic-broadcom.bin" like ONIE's NOS .

5. Software Features support

Specification	Version	Date	Description
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6. New Features support

Features Description	SKU	Requested by	Available Version	Date	Status	Reference
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7. Known Bugs and Limitations

Bug ID/Reporter		Problems	Version	Open Version	Comments
1.					
2.					

8. Description of Bug Fixed

Diagnostic:

Bug ID/Reporter		Description	Fixed Version	Open Date	Close Date	Status
1						
2						

Support

Please email to hans.tseng@delta.com.tw or call +886-2-87973250 ext 3046 for DNI support.