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# ONL Release Note (AK7448-1.00)

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## **Signature of Approval**

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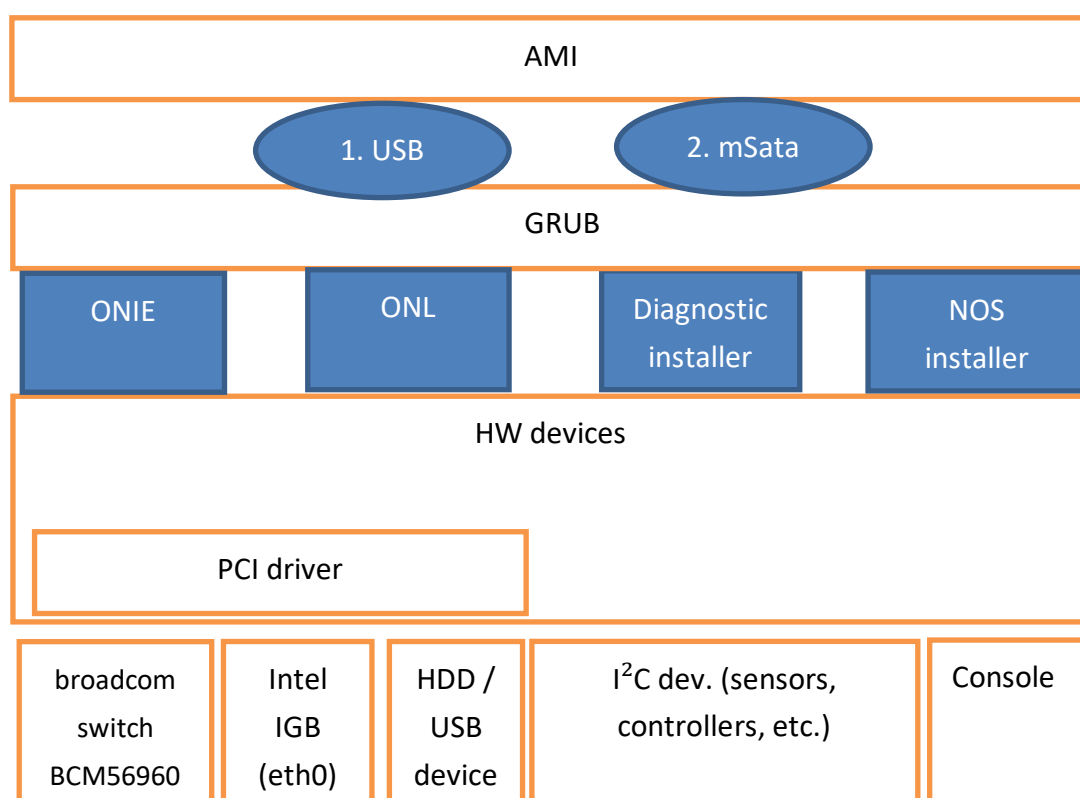
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## Revision History

Date	Version	Author	Comment
03/02/2018	V1.00	Hans Tseng	1. First edition

# 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 ONL base on the ONL github commit ID “add948d33f305d41961ebf07b3983cdd0fb5f238” to develop. The conceptual SW block diagram is as below:



Then boot the system can through console port press <DEL> 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

The versions of main software components used in system are listed as below:

ONL kernel: 3.2.6.5-1

ONL OS : Debian 8

## 2. Base Hardware information

Main Chip	Company	Description
Intel Rangeley C2538 -1.7GHz	<i>Intel</i>	X86 CPU
BCM56768	<i>Broadcom</i>	Switch Controller
2GB DDR3 ECC SO-DIMM		System Memory
16MB SPI NOR Flash *2		Flash ROM
8GB SSD		Storage

## 3. ONL

Open Network Linux (ONL) is a Linux distribution for bare metal switches. ONL builds an ONIE-compatible installer and a switch image which contains a complete Debian distribution with added drivers and configuration for running on bare metal switches

While logging ONL via enter username “root” and the password “onl”

## 4. Diagnostic program

## 5. Software Features support

Specification	Version	Date	Description
AK7448_HW SPEC v0.7_2017_1205.pdf		12/05/2017	

## 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.					
3.					
4.					
5.					
6.					
7.					

## 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](mailto:hans.tseng@delta.com.tw) or call +886-2-87973250 ext 3046 for DNI support.