

Report NO: 14P010016

# PER-T263

## USB Interface POE Module

### Board Level Product P5 Verification Test Report

Summary	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail <input type="checkbox"/> Pass with Deviation (Comment: _____)			
	Test Results Category			
	Critical	Major	Minor	Enhancement
Defect Found	0	0	0	0
Defect Unsolved	0	0	0	0

Issue date	Approval	Test Engineer
2014/08/12	Tom Lin	Danny Chen

**Version Released Records**

Date	Version	Change History	Note
2010/04/21	P3-1001	1. Re-composing test Items	
2010/06/01	P2P3-1001	1. New Test Report	
2010/06/21	P2P3-1002	1. Add BIOS -> SPI ROM Setting (South Bridge - GPIO)	
2010/12/02	P2P2-1003	1. New Test Report	
2011/02/23	P2P3-1101	1. Re-composing test Items	
2011/03/04	P2P3-1102	1. Add Specification Validation	
2012/05/29	P2P3-1201	1. Add Summary Table of DTS	

**Note :**

For all test items in this report, 3 results have been defined and described as following:

- Pass:**            Functionality work perfectly
- Fail:**            Functionality failed and must be resolved in the next version
- N/A:**            Functionality Not Applicable or Not Available

**This test report would be updated when re-test completed in product next change version.**

## Specification Validation

### Main Specification

Item	Specification	Result			Note
		Pass	Fail	N/A	
Product Name	PER-T263	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Form Factor	140x100 mm ,	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
USB to Ethernet Chipset	Realtek RTL8152B , 10M/100M	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Ethernet Switch	Realtek : RTL8305NB , 1 ->4 ports	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Power-Boost module	LTC3786	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
PSE Power Switch controller	LTC4266C ( 802.3AF-48V )	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Power Request	DC 12 ~30V	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

### O.S. Support

Item	Specification	Result	Note
Microsoft Windows	Microsoft Window 7 - 32 bit	<input checked="" type="checkbox"/>	
Microsoft Windows	Microsoft Window 7 - 64 bit	<input checked="" type="checkbox"/>	
Microsoft Windows	Microsoft Windows XP ( 32 bit)	<input checked="" type="checkbox"/>	
Microsoft Windows	Microsoft Windows XP ( 64 bit )	<input checked="" type="checkbox"/>	

### Environmental Specifications

Item	Specification
Operating temperature	0°C ~ 45°C W/ Airflow

**Note:** Please refer Environment Test Report for detail information

**Summary Table of contents:**

PER-T263..... 1  
 This test report would be updated when re-test completed in product next change version..... 2  
 Specification Validation ..... 3  
     Main Specification ..... 3  
     O.S. Support..... 3  
     Environmental Specifications ..... 3  
 1. Hardware Test ..... 5  
     1.1. PoE Port Compatibility Test ..... 5  
     1.2. PoE Port Load Power Test ..... 5  
     1.3. LAN Function Test..... 5  
 2. Power Consumption Test ..... 5  
 3. O.S. Compatibility Test ..... 6  
     3.1. Windows 7 Ultimate English Version 32/64Bit ..... 6  
     3.2. Windows XP Pro English Version 32/64Bit..... 6

# 1. Hardware Test





## 1.1. PoE Port Compatibility Test

Test Item	Result			Note
	Pass	Fail	N/A	
EV8782Q-BD *3	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	IP Camera
EV8781Q-BD *1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

## 1.2. PoE Port Load Power Test

Test Item	MEM V4.0			Note
	Pass	Fail	N/A	
PoE Port1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Note BurnIn7.1 Full Loading Test
PoE Port2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
PoE Port3	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
PoE Port4	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

## 1.3. LAN Function Test

PER-T263 LAN1	Realtek 8152B USB FE Family Controller		MAC Address			00-07-32-29-48-B3			
PER-T263 LAN2	Realtek 8152B USB FE Family Controller		MAC Address						
PER-T263 LAN3	Realtek 8152B USB FE Family Controller		MAC Address						
PER-T263 LAN4	Realtek 8152B USB FE Family Controller		MAC Address						
LAN Speed	Link / Speed LED	Active LED	LAN 1/2			LAN 3/4			Note
100Mbps			<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
10Mbps			<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Internet Browser (DHCP Server)			<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Download file (250MB)			<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Download file (400MB)			<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Copy file from Server PC (Over 24hr)			<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

# 2. Power Consumption Test

Hardware Information with Windows8.1 Enterprise English SP1 32 Bit Driver Version	
CPU	Onboard INTEL ATOM E3826 1.46GHz Soc
Memory	Transcend DDR3L 1333 4G x 2
HDD	Innodisk iCF9000 64GB

## 5.1. Power Consumption

Test Equipment	
Equipment	PROGRAMMABLE DC POWER SUPPLY
Manufacturer	Chroma
Model name	62012P-600-8

Power Supply		Pass	Note
PWR SUPPLY OUTPUT SETTING (Voltage values)	12V	<input checked="" type="checkbox"/>	Check IP Camera function
	16V	<input checked="" type="checkbox"/>	
	21V	<input checked="" type="checkbox"/>	
	25V	<input checked="" type="checkbox"/>	
	30V	<input checked="" type="checkbox"/>	

### 3. O.S. Compatibility Test

#### 3.1. Windows 7 Ultimate English Version 32/64Bit

[ X ] x32 Driver Information:

	Result			Note
	Pass	Fail	N/A	
Test Model : <b>AEC-VS01</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
English Windows 7 Ultimate 32bit	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
PoE 4Ports Function Check	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

[ X ] x64 Driver Information:

	Result			Note
	Pass	Fail	N/A	
Test Model : <b>AEC-6612</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
English Windows 7 Ultimate 64bit	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
PoE 4Ports Function Check	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

#### 3.2. Windows XP Pro English Version 32/64Bit

[ X ] x32 Driver Information:

	Result			Note
	Pass	Fail	N/A	
Test Model : <b>AEC-6876</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
English Windows XP Pro 32bit	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
PoE 4Ports Function Check	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

[ X ] x64 Driver Information:

	Result			Note
	Pass	Fail	N/A	
Test Model : <b>IMBM-Q87A</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
English Windows XP Pro 64bit	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
PoE 4Ports Function Check	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	