# WISE-3240
# Component Change Test Report

| **Initiated by** | Luke Chang | **Approved by** | Shane GH |
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## Revision History：

| Date | Revision | Description | Creator |
|---|---|---|---|
| 2023/03/15 | 1.0 | iDesign Number: 2668-074<br>1. To validate WISE-3240 3240S00OIV0119 & 3240S01OIV0119<br>2. 假log直接丟進3240 log path底下 驗證download大量log是否router daemon會重啟or not | Luke Chang |
|  |  |  |  |

# Table of Contents

# 1. General

## 1.01 Product Specification：

**Specifications**

| Processor System | MCU | MIPS QCA 4531 650 MHz Processor |
|---|---|---|
| | RAM | DDR2 128MB |
| | Flash | 16MB Boot code & 128MB OpenWRT |
| Ethernet | WAN | 1 x 10/100Mbps for WAN |
| | LAN | 1 x 10/100Mbps for LAN |
| Security | | WEP 64 bit,WEP 128bit, WPA, WPA2, WPA+WPA2 (Mixed Mode) Password protected access |
| Connectivity | Wifi | IEEE 802.11b/g/n 2T2R |
| | Zigbee | IEEE 802.15.4 |
| Expansion | Mini PCIe | 1 x full size mini PCIe module for Zigbee host |
| WISE-1841 Zigbee host | MCU | CC2538 ARM® Cortex®-M3 x2 |
| | RAM | 32KB |
| | Standard | IEEE 802.15.4 |
| | Frequency Band | 2.4-GHz |
| | Channels | 16 |
| | Channel Separation | 5MHz |
| | Topology | Star network /Mesh topology |
| | Transmit Power | 8-12dBm |
| | Receiver Sensitivity | -97dBm |
| | RF Data Rate | 250 KB/s |
| | Function | Coordinator router |
| | Antenna connector | MHF connector |
| IO (Edge) | Antenna x1 | WIFI |
| | LED x2 | Power on, WIFI & Zigbee module on |
| | Button x1 | Reset button |
| | Com port x1 (optional) | RS232/485/422 |
| | USB x1 (optional) | USB 2.0 |
| | RJ45 x2 | WAN/LAN |
| Power | Power Supply Voltage | 12 |
| | Power Type | DC-in |
| | Power Consumption | 15 Watt |
| Environment | Operational Temperature | 0 ~ 50 °C |
| | Non-Operational Temp. | -20~ 70 °C |
| | Operating Humidity | 5% ~ 95% Relative Humidity, non-condensing |
| Mechanical | Dimensions (W x H ) | TBD |
| Weight | | TBD |

## 1.02  System Configuration：(Driver & firmware version)

| Item. | Description. |
|---|---|
| Model Name | WISE-3200 |
| Project Name. | WISE-3240 |
| PCB Version | A101-6 |
| Firmware version | 3240S00OIV0119(2080010707) |
| | 3240S01OIV0119(2080010708) |

## 1.03  Testing Software and Equipment

| Test Program | Version / Description |
|---|---|
| WinSCP | 5.21.7 |

## 1.04　Test Results Definition：

| Criteria | Definition |
|:---:|:---|
| PASS | Test result pass and function work perfectly. |
| Fail | Test fail or can not meet the spec requirement. |
| Limitation | There are no plans to fix this erratum. |
| Skip | Test can not execute due to no test program, driver or test device. |
| N/A | Spec not support or driver not ready. |
| Note | Reference Data |

## 1.05 Test Results Summary：

| Num. | Test Item | Result | Remark |
|:---:|:---:|:---:|:---:|
| **1** | **WISE-3240 Function Test** | | |
| 1.01 | Basic Function Test | **PASS** | |

# 1. WISE-3240 Function Test
## 1.01 Basic Function Test

**1.01.1.01** Test Purpose：

To make sure the WISE-3240 function is working normally.

**1.01.1.02** Test Tool or Equipment:
1. ARK-1123H A2 as ePaper Manager server
2. WISE-3240 as EPD router
3. EPD-332/333

**1.01.1.03** Testing Configuration:
1. Test environment: Room temperature

**1.01.1.04** Test Procedure:
1. According to the user manual description of Chapter 3, set up step by step

**1.01.1.05** Test Result:

| Item | Description | Result | Remark |
|------|-------------|--------|--------|
| **WEB GUI Login** | Can login WEB GUI normally. | **PASS** | |
| **Log** | Collection from ePaper Manager without any error | **PASS** | issue fixed |