www.winmate.com.tw

WinMate Communication Inc.
9F, No. 111-6 Hsing Teh Road,
San-Chung, Taipei, Taiwan, R.O.C
TEL：886-2-6635-5758
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Operating Shock Test Report

Issue by

Design Technology Department

Product Model	**15” Panel PC:R15ID3S-65XXXX**
Product Description	**Panel PC**
Test Reason	■New product ■M/B : Winmate / ID31 ☐Renew product ☐PCB : ☐BIOS: ☐ Revision change ☐PCB : ☐BIOS: ☐Component:

2013/07/30	*Lindon Lin*	*Freeman Lee*
Issue date	Approved	Test Engineer

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1. Document Introduction

This document describes how we conduct the environment conditions and test procedure. It includes the test equipment we use, the test condition, and the test procedure we take. We also define our test criteria and the way to conclude the test result.
(According to client's test specification, please see following sheets in detail.)

Table of Testing Summary Results

NO	Test Item	Condition Description	Sect. / Page	Reference to
1	**Shock Test**	Operating Pulse shape: Sawtooth Impact acceleration: 40g , Pulse duration: 11 ms , Axis of vibration: Transverse-X, Longitudinal-Y, Vertical-Z Number of shocks: one shock for each of the six faces , Total 18 Shocks	4 / 5	**MIL-STD-810G Method 516.6 Procedure I** **Table 516.6-II**

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2. Product Configuration

1. M/B：ID31-110
2. CPU：Intel® Atom N2600@1.6GHz 3.5W
3. System Chipset：Intel NM10 Chipset
4. RAM：ADATA AD3S1600C2G11-BMIK DDR3-1600 2GB
5. BIOS/EC：ID31V203
6. SSD：Phison SSE032GPTC0-S81 mSATA SSD 32G
7. Touch：ELO5W-110 / ELO FZT150-E249624 80%/2.72mm/5W
8. Panel：AUO G150XG01-V3 1024x0768/*400 LED
9. Adapter：SINPRO IPU80-105 / AC: 100-240V~1.07A 47-63Hz DC: 12V 6.6A

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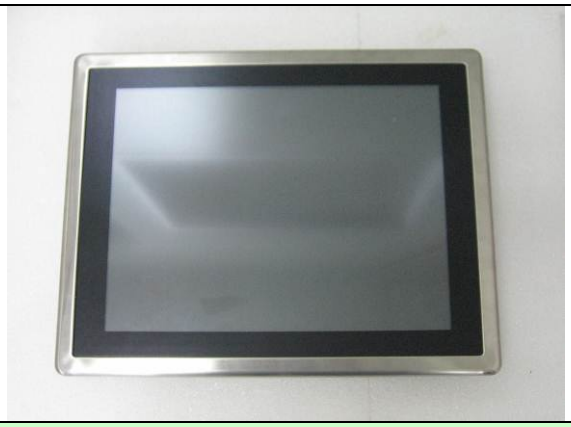
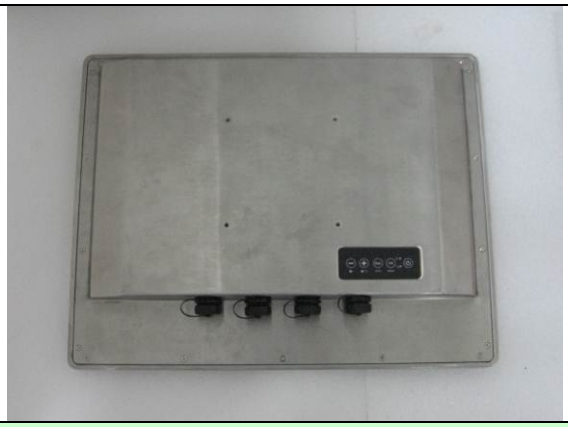
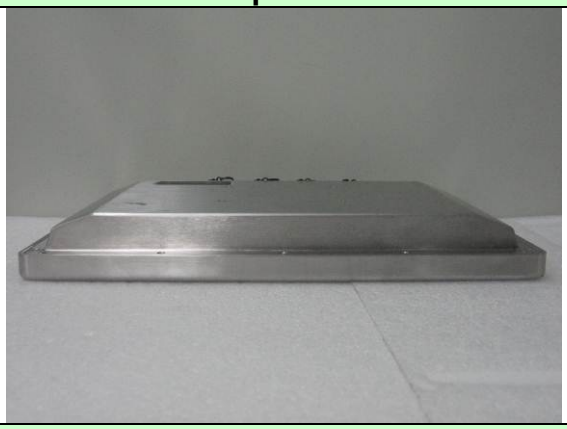
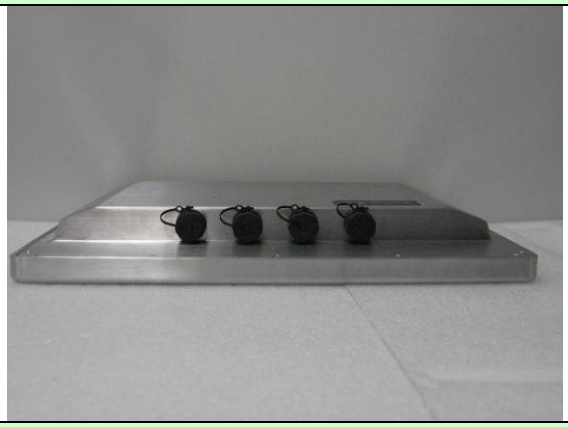
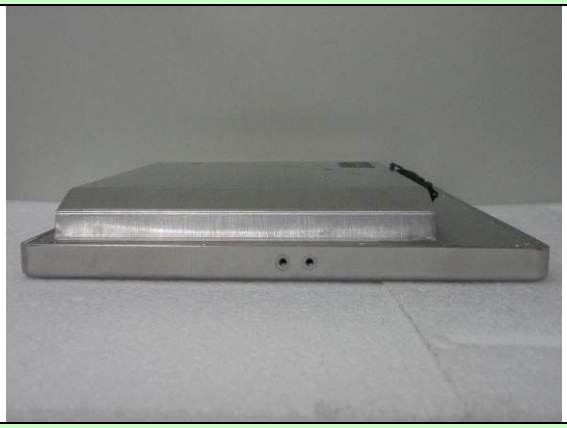
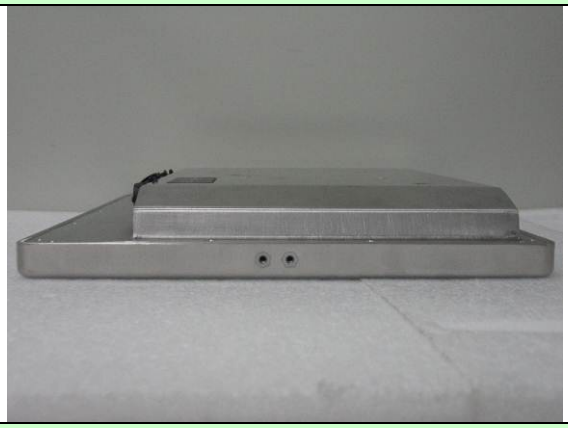
3. Photo of Product Configuration

Photo of EUT

	
Top View	**Bottom View**
	
Front View	**Back View**
	
Left Side View	**Right Side View**

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4. Vibration Test (Operating)

A. Test Equipment:

- Shock Testing System: LANSMONT / 65-81 TTSII
- Data Acquisition & Analysis System: LANSMONT / 1033570-2-B
- ICP Accelerometer: PCB / 353B14

B. LAB Environmental Conditions:

- Ambient Temperature: 25 +/- 3℃
- Relative Humidity: 55 +/- 20% RH

C. Test Method / Specification:

- Reference to MIL-STD-810G Method 516.6 Testing Procedures
- Procedure I / Table 516.6 II
- Sample Condition: Operating
- Pulse shape: Sawtooth
- Impact acceleration: 40g
- Pulse duration: 11 ms
- Axis of vibration: Transverse-X, Longitudinal-Y, Vertical-Z
- Number of shocks: one shock for each of the six faces
- No. of Shock: 3 Shocks / face (Total 18 shocks)
- Quantity: Total 1 Set
- Testing Period: July. 29, 2013 to July. 29, 2013

D. Check Condition and Requirements:

The equipment ,in its operation shock mode, Sawtooth waveform,40g 11ms duration and one shock for each of the six faces & the cycle is 3 times (Total 18 shocks) on testing. Must be free of mechanical structure, operational, functional and the display of key parts have to be normal. Document the result during the test. The functional and electrical check is required; document the result after the check.

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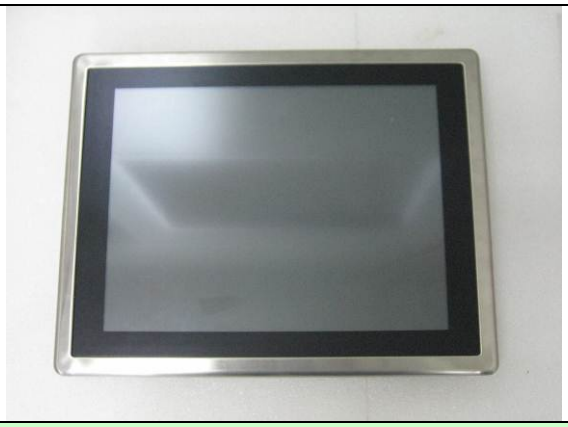
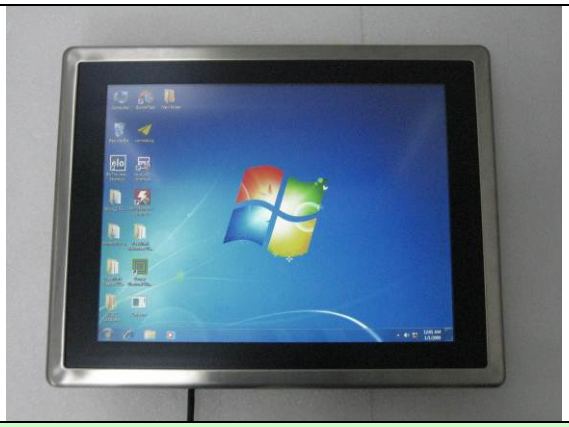
E. Test Result:

— No visible damage to the product.
— No displacement of components, cables, or hardware.
— The exterior container must not be broken exposing the contents.
— The test unit operates normally after the completion of the vibration test.

	
Appearance of specimen	**Functional check**

F. Test Judgment:

— Test Result as below:

Check Item / Style Item No.	Appearance check (Visual check)		Functional & Performance check
	Initial	Final	
15” Panel PC: R15ID3S-65XXXX	No visible damage	No visible damage	Normal