

## Low Temperature Startup Test Report

<b>Test Item:</b> Low Temperature Startup Test		<b>File No:</b> SDT-003907
<b>Product Name:</b> IPPC1202-RE V-A1	<b>S/N:</b> S02IPPC12--A10100P	<b>Quantity:</b> 1
<b>Date:</b> 2015 / 07 / 08	<b>Inspector:</b> Kevin	<b>Leader:</b> Tony Tsai
<b>Place:</b> iBASE Lab	<b>Temperature:</b> 22.5°C	<b>Humidity:</b> 56.8%RH
<b>Chamber Temperature:</b> -10°C		<b>Chamber Humidity:</b> N/A

### Configuration:

Item	Description	S/N
<b>M/B</b>	IB806-D25S V-1.0	ZD01IB806---10030P
<b>CPU</b>	Intel® Atom™ Processor D2550 (1M Cache, 1.86 GHz)	C018ATOMG18615100P
<b>PCH</b>	Intel® CG82NM10 PCH	C01382NM100024000P
<b>HeatSink</b>	IPPC-1202-RE V-A1	H051IPPC1202RE00AP
<b>DIMM</b>	Transcend / SO-DIMM DDR3L 2G/1600 1.35V 256M*8 [TS7W9SDSQ-I]	C0373900200081520P
<b>SSD</b>	Intel / 2.5" SATA3 180G MLC 530 SERIES 7mm [SSDSC2BW180A401]	A002SSDSA180G1000P
<b>Board</b>	IP930 V-B1	ZD05IP930---0B110P
<b>Board</b>	ID910 V-B1	ZD06ID910---0B110P
<b>LCD Panel</b>	IVO / 12.1" TFT-LCD [M121GNX2 R1]	A003LCDM121GNX000P
<b>Touch panel</b>	ELO / 12.1" 5-WIRE RESISTIVE ZERO-BEZEL [E803003]	A003LCDPANEL07600P
<b>Controller</b>	PENMOUNT / [6202B-CW5]	A008CTRL6202B0000P
<b>CASE</b>	IPPC-1202-RE V-A1	Y02IPPC12020A1100P
<b>PSU</b>	FSP / ADAPTER 84W 12V W/LOCK [FSP084-DIBAN2]	A005PS084W0070200P

### Test Equipment:

NO	Manufacturer	Model number	Setting Temperature
1.	KSON	THS-D4T-100	-10°C

**Test Result:**

Appearance Check	Functional Check	Conclusion Result
Pass	Pass	Pass

**Test Purpose:**

To evaluate whether it startup is possible or not in a stable condition when the product is operated in a low temperature environment.

**Testing Procedure:**

1. Confirm the startup function at normal temperature and humidity.
2. Place DUT (include power supply unit) in the constant temperature chamber and set temperature inside the chamber to the specified temperature (-10°C).
3. Hold DUT in the constant temperature chamber at the specified temperature condition until its temperature reaches the specified temperature (one hours at least).
4. Turn on DUT and startup to Windows. Turn off it after confirmation to be the normal condition. Repeat this procedure (2 times at least).
5. Turn off DUT and leave it for more than 30 minutes.
6. Repeat procedure "4" & "5" two more times (total 3 times).

**Testing Photos:**

