

RTC-900B

Rugged Tablet Computer

P5 Test Report

Summary	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail <input type="checkbox"/> Pass with Deviation (Comment: _____)			

Issue date	Approval	Test Engineer
2015/5/25	KJ Wang	Anderson Lin



Platform Information

Item	Device Information	Test Item
System Model/Version	RTC-900B V0.4	1,2
BIOS / Version	RTC-900B BIOS Rev1.0 x64 for Windows 8(12/23/2014)	1,2
EC / Version	1.0	1,2
CPU Type	Intel® Atom™ Processor E3825 (1M Cache, 1.33 GHz)	1,2
Memory Type	DDR3L-1600 / 4GB (D3SH12081XL12AA)	1,2
Storage	Phison SSE032GPTC0-S91(32 GB)	1,2
LVDS	10.1" WXGA (1280 x 800) TFT LCD	1,2
Operating System	Windows Embedded 8.1 Industry Pro 64-bit(6.3,Build 9600)	1,2
Power Supply	DC Adapter : LTE24E-S2-2 output : 12V, 2A	1,2
Battery Model	Li-Polymer high capacity battery(7600mAh)	1,2

1. Basic Function Test

1.1. Display Function Test

Video Function	Function			Note
	Pass	Fail	N/A	
Resolution change	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1280 X 800 / 1024 X 768
Display quality	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	No shift ,flicker
Playback 1080p video	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Brightness control	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Auto Brightness control	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Micro HDMI	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

1.2. Audio Function Test

Audio Function	Function			Note
	Pass	Fail	N/A	
Internal Speaker	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Internal Microphone	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Headphone jack	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Headphone Microphone	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Left channel	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Right channel	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

1.3. Wi-Fi Function Test

Wi-Fi Function	Function			Note
	Pass	Fail	N/A	
Connect to internet	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Download files from internet	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
SpeedTest	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Download speed:17.84 Mbps Upload speed:8.39 Mbps
Enable / Disable	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

1.4. 3G Function Test

3G Function	Function			Note
	Pass	Fail	N/A	
Enable / disable	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Connect to internet	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
SpeedTest	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Download speed:1.2 Mbps Upload speed:0.74 Mbps

1.5. Bluetooth Function Test

Bluetooth Function	Function			Note
	Pass	Fail	N/A	
Bluetooth keyboard	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Send files	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	10 MB media file
Receive files	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	10 MB media file

1.6. GPS Function Test

GPS Function	Function			Note
	Pass	Fail	N/A	
Detect satellite	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	GPS Viewer(Baudrate:38400)

1.7. NFC Function Test

NFC Function	Function			Note
	Pass	Fail	N/A	
Detect NFC tag	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Detect NFC card	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

1.8. USB Function Test

USB Function	Function			Note
	Pass	Fail	N/A	
USB Flash	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
USB Floppy	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
USB ODD	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
USB Keyboard	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
USB Mouse	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
USB 3.0 HD	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

1.9. Touch Screen Function Test

Touch Screen Function	Function			Note
	Pass	Fail	N/A	
Touch Screen Function	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Multi-Touch(10 points)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	"Multi-Touch Test" application

1.10. Camera Function Test

OSD Control Function	Function			Note
	Pass	Fail	N/A	
2 MP front camera	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5 MP auto-focus rear camera	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
take picture	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
flashlight	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

1.11. Micro SD Function Test

MicroSD Function	Function			Note
	Pass	Fail	N/A	
Read / write test	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Transcend 128GB / Sandisk 64 GB

1.12. Sensor Function Test

Sensor Function		Function			Note
		Pass	Fail	N/A	
G-sensor(Accelerometer)	Angle of rotation:0°	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Angle of rotation:90°	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Angle of rotation:180°	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Angle of rotation:270°	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Lock rotation	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Light- sensor		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	ITESHHC_v0.9.15(for sensor test)
Compass		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	ITESHHC_v0.9.15(for sensor test)

1.13. UI Function Test

UI Function	Function			Note
	Pass	Fail	N/A	
Airplane Mode	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Safe Mode	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	msconfig

1.14. Function Key Test

Function Key test	Function			Note
	Pass	Fail	N/A	
F1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Audio mute / enable
F2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Audio volume increase
F3	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Audio volume decrease
Home	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Back to desktop

2. Overnight Test

6.1. Overnight Test (over 12 hours)

Test Item	Result			Note
	Pass	Fail	N/A	
Burn In Test	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	V8.0 Pro(64 bit)
Playback 1080p video	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	