

Configuration

Hardware Configuration

Model number	RTC-700A
PCB version	A1.2
CPU type	NVIDIA® Tegra™ 2 1.0GHz Dual-core processor
DRAM type	Built-in 1GB (14S69M5200 667MHz 1.8V)
Storage Disk Drive	Built-in 16GB eMMC flash
Adapter type	
LCD type	7" color TFT LCD / 1280 x 800 / CHIMEI : N070ICG(Default)

Software Configuration

Android Version	4.0.3
Baseband Version	11.810.09.17.00
GPS Version	V 6.9.12
Wi-Fi Version	V 6.1.1.24
Bluetooth Version	V 8.30
Touch panel Version	Projected Capacitive Multi-Touch panel
Kernel Version	2.6.39.4
Build number	US_epad-userdebug 4.0.3 IML74K eng.US_epad.root.20121109.154730 test-keys)

Summary

Incomplete	0
Pass	32
Fail	0
NA	32

Type	Sku 1	Sku 2	Total Duration	DTS issue ID/Comment
Catalog Number			0	

Mechanical Check Test

I/O Connector check	Pass	NA		
Mechanism construction check	Pass	NA		
DC power outlet / inlet check	Pass	NA		
Power button check	Pass	NA		
Gap check	Pass	NA		
Conflict check	Pass	NA		

UI Function Test

Wireless & Networks Function Test	Pass	NA		
Sound Function Test	Pass	NA		
Dspaly Function Test	Pass	NA		
Storage Function Test	Pass	NA		
Battery Function Test	Pass	NA		
Apps Function Test	Pass	NA		
Personal Function Test	Pass	NA		
System Function Test	Pass	NA		

Basic Function Test

Audio playback Test	Pass	NA		
Audio Function Test	Pass	NA		
WiFi Function Test	Pass	NA		
3G Function Test	Pass	NA		
GPS Function Test	Pass	NA		
Bluetooth Function Test	Pass	NA		
Light Sensor Test	Pass	NA		
G-Sensor Test	Pass	NA		
Touchscreen Test	Pass	NA		
Camera Test	Pass	NA		
Speaker Function Test	Pass	NA		
USB Port Function Test	Pass	NA		

Battery Function Test	<i>Pass</i>	NA		
Mini HDMI Function Test	<i>Pass</i>	NA		
Micro SD Function Test	<i>Pass</i>	NA		
Performance Test				
Antutu Benchmark	<i>Pass</i>	NA		
Quadrant Standard	<i>Pass</i>	NA		
Speed Test(WiFi / 3G)	<i>Pass</i>	NA		
CF-Bench	<i>Pass</i>	NA		

Mechanical Check Test

Mechanical Check Test						
Mechanical Check Test	Key test point procedure	Qualification Criteria	Version	Facility/Test Program	Judgement	Note / Issue ID
I/O Connector check	Inspect the mechanical appearance	make sure there are no mechanical conflicts,gap,blend,deformed appearance,misalignment	H/W A1.2	by visible	Pass	
Mechanism construction check					Pass	
DC power outlet / inlet check					Pass	
Power button check					Pass	
Gap check					Pass	
Conflict check					Pass	

UI Function Test

UI Function Test						
Wireless & Networks Function Test	Key test point procedure	Qualification Criteria	Version	Facility/Test Program	Judgement	Note / Issue ID
Airplane mode	check to turn off all the tablet's radios that transmit data	confirm turn off all the tablet's radios that transmit data	H/W A 1.2	android 4.0 standard item	Pass	
Wi-Fi settings	check to turn on Wi-Fi so we can connect to Wi-Fi networks	confirm we can connect to Wi-Fi networks	H/W A 1.2	android 4.0 standard item	Pass	
Bluetooth settings	Check to turn on Bluetooth so we can connect to Bluetooth devices	confirm we can connect to Bluetooth devices	H/W A 1.2	android 4.0 standard item	Pass	
Sound Function Test	Key test point procedure	Qualification Criteria	Version	Facility/Test Program	Judgement	Note / Issue ID
Volume	opens a dialog with three sliders for adjusting the volume of music and other media audio, notification ringtones, and alarms	confirm volume function can work normally	H/W A 1.2	android 4.0 standard item	Pass	
Ringtone & Notifications	open a dialog where we can select the ringtone to sound when we receive a notification, then touch a ringtone to listen to it	confirm Notification ringtone function can work normally	H/W A 1.2	android 4.0 standard item	Pass	
Touch sounds	check "Touch sounds" item then it should appear touch sound when we touch screen. uncheck "Touch sounds" item then it should not appear touch sound when we touch screen	confirm Touch sounds function can work normally	H/W A 1.2	android 4.1 standard item	Pass	
Dspaly Function Test	Key test point procedure	Qualification Criteria	Version	Facility/Test Program	Judgement	Note / Issue ID
Brightness	open a dialog for adjusting the brightness of the screen. You can check Automatic brightness to set the tablet to adjust the brightness automatically, using the tablet's built-in light sensor. Or uncheck that option to use the slider to set a brightness level you want at all times when using the tablet. For the longest battery life between charges, use the dimmest comfortable brightness	confirm Brightness function can work normally	H/W A 1.2	android 4.0 standard item	Pass	
Auto-rotate screen	check to automatically switch the orientation of the screen as you turn the tablet sideways or upright	confirm Auto-rotate screen function can work normally	H/W A 1.2	android 4.0 standard item	Pass	
Sleep	when screen turn off, brightness level should dark	make sure the screen is dark	H/W A 1.2	android 4.0 standard item	Pass	
Storage Function Test	Key test point procedure	Qualification Criteria	Version	Facility/Test Program	Judgement	Note / Issue ID
Internal Storage	use the Storage settings to monitor the used and available space on your tablet's internal storage.	confirm Storage function can work normally	H/W A 1.2	android 4.0 standard item	Pass	
Total space	available space on your tablet's internal storage.				Pass	
Available	You can also view and manage the storage used				Pass	
Battery Function Test	Key test point procedure	Qualification Criteria	Version	Facility/Test Program	Judgement	Note / Issue ID
check power use items	check all power use items	check battery status and all power use items	H/W A 1.2	android 4.0 standard	Pass	
Apps Function Test	Key test point procedure	Qualification Criteria	Version	Facility/Test Program	Judgement	Note / Issue ID
Download applications	open a list of all the applications and other software installed on your tablet, along with their sizes and	confirm Download applications function can work normally	H/W A 1.2	android 4.0 standard item	Pass	
Running applications	open a list of applications, processes, and services, services that are currently running or are	confirm Running applications function can work normally	H/W A 1.2	android 4.0 standard item	Pass	
All applications	open a list of all applications on your tablet with information about the storage they use	confirm Storage use function can work normally	H/W A 1.2	android 4.0 standard item	Pass	
Personal Function Test	Key test point procedure	Qualification Criteria	Version	Facility/Test Program	Judgement	Note / Issue ID
Location services	Google's location service / GPS satellites	confirm Location services function can work normally	H/W A 1.2	android 4.0 standard item	Pass	
Security	Screen security / Passwords	confirm Security function can work normally	H/W A 1.2	android 4.0 standard item	Pass	

Language & input	Language / Keyboard & Input methods	confirm Language & input function can work normally	H/W A 1.2	android 4.0 standard item	Pass	
System Function Test	Key test point procedure	Qualification Criteria	Version	Facility/Test	Judgement	Note / Issue ID
Date & time	use Date & Time settings to set your preferences for how dates are displayed. You can also use these settings to set your own time and time zone, rather than obtaining the current time from the	confirm Date & time function can work normally	H/W A 1.2	android 4.0 standard item	Pass	
Accessibility	you use the Accessibility settings to configure any accessibility plug-ins you have installed on your	confirm Accessibility function can work normally	H/W A 1.2	android 4.0 standard item	Pass	
Developer options	change to developer settings	confirm Developer options function can work normally	H/W A 1.2	android 4.0 standard item	Pass	
About tablet	About tablet includes information about your tablet	confirm About tablet function can work normally	H/W A 1.2	android 4.0 standard item	Pass	

Basic Function Test

Audio playback Test	Key test point procedure	Qualification Criteria	Version	Facility/Test Program	Judgement	Note / Issue ID
*.WMV	play audio / video files	confirm it can be played normally and fluently,make sure it should not appear noise .	H/W A 1.2	MX Player / Video player / Music / WMV / AVI / MP3 / MP4 files	Pass	
*.AVI					Pass	
*.MP3					Pass	
*.MP4					Pass	
Audio Function Test	Key test point procedure	Qualification Criteria	Version	Facility/Test Program	Judgement	Note / Issue ID
Speak adjust volume	adjust volume control	make sure it should not appear noise and distorted when adjust to max volume.	H/W A 1.2	Android internal settings	Pass	
Alarm Clock volume					Pass	
WiFi Function Test	Key test point procedure	Qualification Criteria	Version	Facility/Test Program	Judgement	Note / Issue ID
Turn On	turn on wifi function,confirm it can connect to internet normally and receiveWi-Fi network notifications in the Status bar 3G / Wifi / BT function will turn off automatically	turn on and turn off wifi function should work normally.Network notification should appear correct Wi-Fi network.	H/W A 1.2	Android internal settings	Pass	
Turn Off					Pass	
Network notification					Pass	
Airplane Mode					Pass	
Connect to Internet					connect to Internet through web browser	Pass
LAN Function Test (Docking)	Key test point procedure	Qualification Criteria	Version	Facility/Test Program	Judgement	Note / Issue ID
Connect to Internet	connect to Internet through web browser		H/W A 1.2		Pass	
3G Function Test	Key test point procedure	Qualification Criteria	Version	Facility/Test Program	Judgement	Note / Issue ID
Turn On	enable / disable 3g function,make sure we can connect to internet by using 3G	turn on and turn off 3G function should work normally.Download or Upload some files from internet should work normally.	H/W A 1.2	3G sim card	Pass	
Turn Off					Pass	
Connect to Internet					Pass	
Download file from internet					Pass	
Upload file to internet					Pass	
GPS Function Test	Key test point procedure	Qualification Criteria	Version	Facility/Test Program	Judgement	Note / Issue ID
Turn On	confirm GPS can work normally	confirm GPS can detect satellites and should not spend a lot of time to locate.	H/W A 1.2	GPS Test(android program) / google map	Pass	
Turn Off					Pass	
Connect GPS satellites					Pass	
TTF	time to first fix	meet GPS supplier spec or comparable to other product			Pass	
Bluetooth Function Test	Key test point procedure	Qualification Criteria	Version	Facility/Test Program	Judgement	Note / Issue ID
Turn On	turn on Bluetooth Function	turn on / off Bluetooth function,send files and receive files through Bluetooth	H/W A 1.2	Android internal settings	Pass	
Turn Off	turn off Bluetooth Function				Pass	
Search BT Devices	scan around BT Devices				Pass	
Send File To BT Device	send some files to BT Device				Pass	
Receive File From BT Device	receive some files from BT Device				Pass	
Light Sensor Test	Key test point procedure	Qualification Criteria	Version	Facility/Test Program	Judgement	Note / Issue ID
Integration test	put EUT in different ambient from dark to sun light environment	Display should be read clearly under all conditions.	H/W A 1.2	dark environment / sun light environment	Pass	
G-Sensor Test	Key test point procedure	Qualification Criteria	Version	Facility/Test Program	Judgement	Note / Issue ID
X · Y Reverse Test (90° · 180° · 360°)	check to automatically switch the orientation of the screen as we turn the tablet sideways or upright	rotate	H/W A 1.2	by manually	Pass	

Touchscreen Test	Key test point procedure	Qualification Criteria	Version	Facility/Test Program	Judgement	Note / Issue ID
accuracy Test	check touchscreen position is accurate	confirm touchscreen position is accurate	H/W A 1.2	"MultiTouch Tester" program	Pass	
Multi touch test	execute "MultiTouch Tester" to test	5-finger touch screen			Pass	
Camera Test	Key test point procedure	Qualification Criteria	Version	Facility/Test Program	Judgement	Note / Issue ID
Front Lens	select Front Lens to take photos	turn on Camera function,confirm take photo and record mode work normally	H/W A 1.2	Android internal settings	Pass	
Rear Lens	select Rear Lens to take photos				Pass	
Zoom In	test zoom in function				Pass	
Zoom Out	test zoom out function				Pass	
auto play photo	adjust automatically play photo				Pass	
White balance	adjust White balance settings				Pass	
Color effect	adjust Color effect				Pass	
Camera settings	adjust all kinds of Camera settings				Pass	
Camera settings	adjust Camera settings				Pass	
REC Mode (Snapshot · Movie · Image Size)	execute record function				Pass	
Speaker Function Test	Key test point procedure	Qualification Criteria	Version	Facility/Test Program	Judgement	Note / Issue ID
Mini Volume	adjust volume contrl to Mini Volume	adjust volume control,confirm mini and max sound work normally ,make sure it should not apper noise and distorted	H/W A 1.2	Android internal settings	Pass	
Max Volume	adjust volume contrl to Max Volume				Pass	
USB Port Function Test (Docking)	Key test point procedure	Qualification Criteria	Version	Facility/Test Program	Judgement	Note / Issue ID
Auto detect	plug usb device	plug and unplug usb device,confirm it works normally	H/W A 1.2	USB 2.0 Removable Devices / USB Keyboard / USB Mouse / USB HDD	Pass	
USB Devices information	confirm USB Devices information is correct				Pass	
Read/Write test	execute Read/Write test to usb flash				Pass	
USB 2.0 Removable Devices	insert USB 2.0 Removable Devices				Pass	
USB Keyboard / USB Mouse / USB HDD	insert USB Keyboard / USB Mouse / USB HDD				Pass	
Battery Function Test	Key test point procedure	Qualification Criteria	Version	Facility/Test Program	Judgement	Note / Issue ID
Battery Charge and Discharge Function	Battery Charge Time(from 0% to 100%,Wi-Fi / 3G / GPS / BT / turn off,Brightness level:100%)	confirm Battery Charge and Discharge Function work normally	H/W A 1.2		Pass	6hr 30 min
	Battery Discharge Time(from 100% to 0%,Wi-Fi / 3G / GPS / BT / turn off,Brightness level:100%)	confirm Battery Charge and Discharge Function work normally			Pass	3hr 10min
	Charge Battery when screen turn off	make sure Battery Charge Function normally when screen turn off			Pass	
	Charge Battery when system power off	make sure Battery Charge Function normally when system power off			Pass	
Mini HDMI Function Test	Key test point procedure	Qualification Criteria	Version	Facility/Test Program	Judgement	Note / Issue ID
connect HDMI Monitor	connect HDMI Monitor to play video	HDMI display should show normally	H/W A 1.2		Pass	
Micro SD Function Test	Key test point procedure	Qualification Criteria	Version	Facility/Test Program	Judgement	Note / Issue ID
insert Micro SD	read / write Micro SD	Micro SD should be read and wrote normally	H/W A 1.2		Pass	
COM Port Function Test (Docking)	Key test point procedure	Qualification Criteria	Version	Facility/Test Program	Judgement	Note / Issue ID
Read/Write test	Use loopback and Serial Port API sample v1.1 test RS-232	COM Port Speed Set to baud rate 115200	H/W A 1.2		Pass	

Performance Test

Performance Test	Test Item	Key test point procedure	Qualification Criteria	Version	Facility/Test Program	Score	Score for reference(SE ARC S)	Notice
Antutu Benchmark v2.6	RAM Performance	run Antutu Benchmark than record test score	it should not appear garbage or abnormal display,and we can refer to the test score of other platform	H/W A 1.2	Antutu Benchmark	792	445	
	CPU Integer Performance					1363	906	
	CPU Floating-point performance					1048	412	
	2D Graphics performance					288	312	
	3D Graphics performance					794	957	
	Database I/O					385	405	
	SD card write speed					14.1 MB/s	2.6MB/s	
	SD card read speed					16.6 MB/s	11.4MB/s	
	CPU frequency					1000MHz	1400MHz	
	Total Score					4977	3577	
	Antutu Benchmark v4.5					UX / Multitask Performance	run Antutu Benchmark than record test score	it should not appear garbage or abnormal display,and we can refer to the test score of other platform
UX / Runtime Performance		219						
RAM Operation Performance		639						
RAM Speed Performance		353						
CPU Integer Performance		809						
CPU Float-point performance		572						
2D Graphics performance		410 [800x1216]						
3D Graphics performance		1002 [1028x736]						
Storage I/O		688						
Database I/O		460						
Total Score		6948						
Performance Test	Test Item	Key test point procedure	Qualification Criteria	Version	Facility/Test Program	Score	Score for reference(SE ARC S)	
Quadrant Pro v2.1.1	Total	run Quadrant Standard than record test score	it should not appear garbage or abnormal display,and we can refer to the test score of other platform	H/W A 1.2	Quadrant Standard	2427	1387	
	CPU					4773	2665	
	Memory					2279	1437	
	I/O					3102	1043	
	2D					258	365	
	3D					1722	1427	
Performance Test	Test Item	Key test point procedure	Qualification Criteria	Version	Facility/Test Program	Score	Score for reference(SE ARC S)	
Speed Test(WiFi)	DOWNLOAD	run Speed Test(WiFi) than record test score	it should not appear garbage or abnormal display,and we can refer to the test score of other platform	H/W A 1.2	Speed Test	38.80Mbps	3.46 Mbps	
	UPLOAD					21.50Mbps	2.92 Mbps	
Speed Test(3G)	DOWNLOAD	run Speed Test(3G) than record test score	it should not appear garbage or abnormal display,and we can refer to the test score of other platform	H/W A 1.2	Speed Test	3.66Mbps		
	UPLOAD					1.46Mkbps		
Performance Test	Test Item	Key test point procedure	Qualification Criteria	Version	Facility/Test Program	Score	Score for reference(SE ARC S)	
CF-Bench v1.3	Native Score	run CF-Bench than record test score	it should not appear garbage or abnormal display,and we can refer to the test score of other platform	H/W A 1.2	CF-Bench	9153	5794	
	Java Score					2674	2137	
	Overall Score					5265	3301	