

Windows IoT Enterprise ROM-5720 Test Report

Date	05/20/2022	Release Ver.	2022-05-18
Category	☐ FAQ ☒ SOP	Release Note	☐ Internal ☒ External
Related OS	Windows IoT Enterprise W21H2 / NXP BSP-W0.9.0		
Abstract	Function test on Windows		
Keyword	Windows IoT Enterprise, ROM-5720		
Related Product	WoA-ROM-5721		

■ OS Image Basic Function Test:

Item	Test Item	Result	Note
1	Date And Time	FAIL	The clock is not updated after reboot the system
2	Computer Management Test	FAIL	The exclamation mark shows up in Device Manager
3	Control Panel	PASS	
4	Administrative Tools	PASS	
5	System Information	PASS	
6	Power options	PASS	
7	Personalization	PASS	
8	Local User	PASS	
9	Account	PASS	
10	User Account Control	PASS	
11	Task Manager & CPU-Z	FAIL	It shows error message while executing CPU-Z.
12	Registry Editor	PASS	
13	Windows Media Player	FAIL	Failed to play video.
14	Safe Mode	FAIL	No keyboard in Safe mode
15	Browser	FAIL	The lag effect in Browser
16	On-Screen Keyboard	PASS	
17	Notification Area	PASS	
17	DirectX Diagnostic Tool	PASS	
19	Remote Desktop	PASS	
20	Event Viewer	PASS	
21	Right Click Menu	PASS	
22	Function Test Auto	FAIL	
23	Settings	PASS	
24	Unnecessary Folder / File Check	PASS	
25	System File Check	PASS	
26	Others	FAIL	Windows lag

■ BSP Function Test:

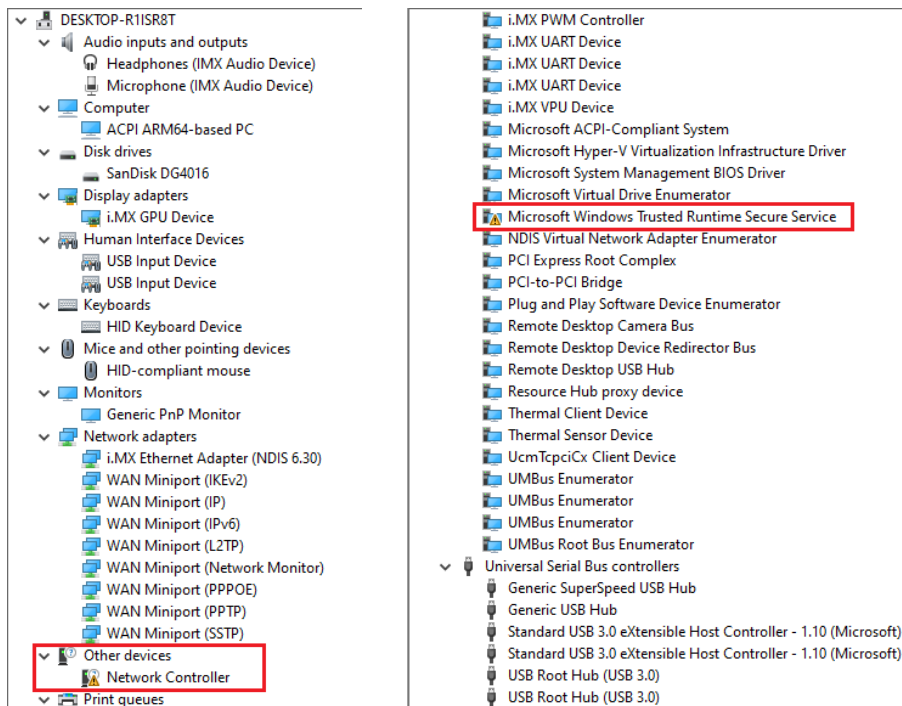
Item	Test Item	Result	Note
27	HDMI display	PASS	
28	HDMI audio	PASS	
29	Head Phone	FAIL	No audio codec driver
30	Micro Phone	FAIL	No audio codec driver
31	Ethernet – Phy	PASS	RTL8211FS
32	Ethernet – PCIe to Lan	FAIL	No driver
33	Wi-Fi	FAIL	No driver
34	[USB] Type-A	FAIL	No usb hub driver
35	[USB] Type-C	FAIL	No usb hub driver
36	[USB]Otg	PASS	
37	SD card	PASS	Except (Specification: SD 1.0 failed)
38	Reset Button	PASS	
39	Power Button	PASS	
40	M.2-PCIe – Wi-Fi (AW-CB178NF)	FAIL	No driver
41	M.2-USB – Bluetooth (AW-CB178NF)	FAIL	No driver
42	GPU	FAIL	Driver installed, but lag (poor performance)

1. Date and Time

Time will not be changed in offline, there is no RTC driver on DUT.

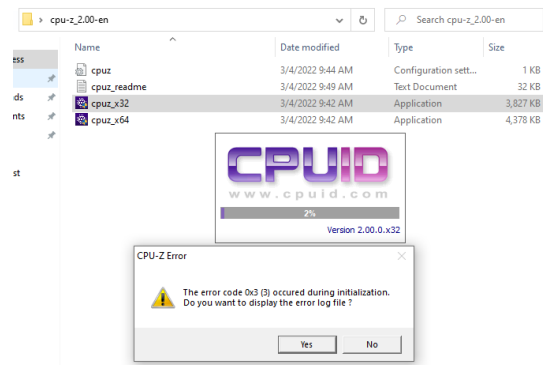
2. Computer Management Test

There is a liitle bit exclamation marks in Device Manager



11. Task Manager & CPU-Z

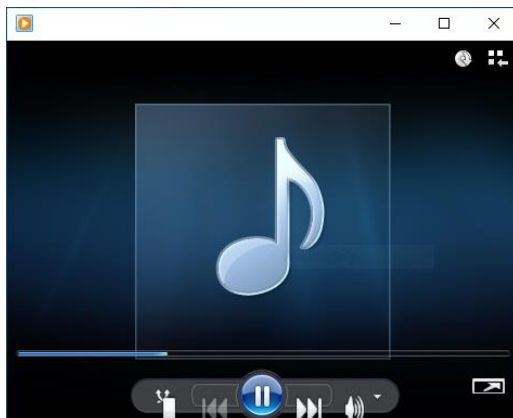
It will pop-up error message while executing CPU-Z, and Not all of informations be presentation.



13. Windows Media Player

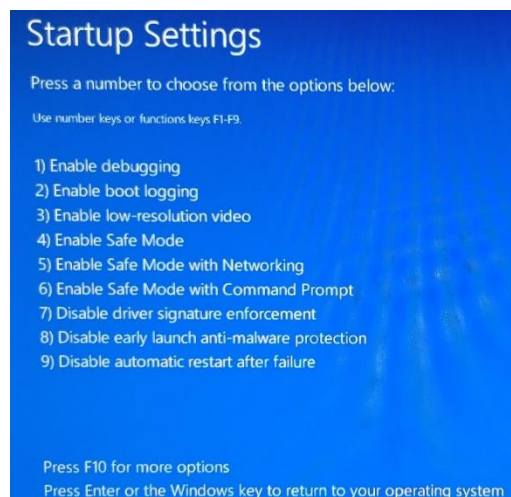
a. Failed to play video.

b. It can play mp3 song. However, it failed to do mute, last track, next track and pasue.



14. Safe Mode

No keyboard in Safe Mode

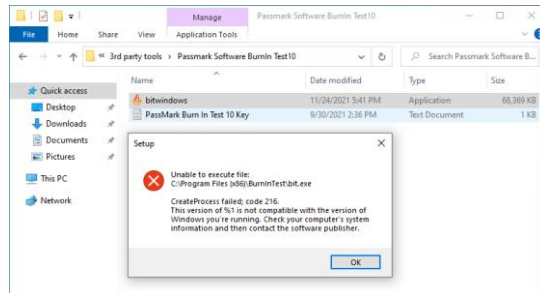


15. Browser

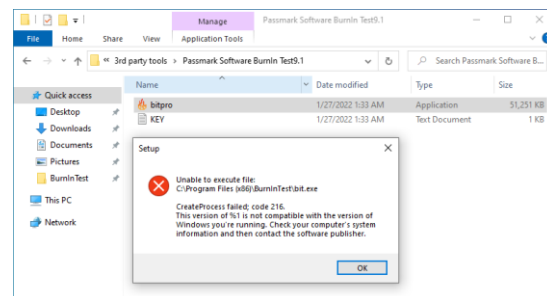
Both IE and Edge browsers are lag.

22. Function Test (Auto)

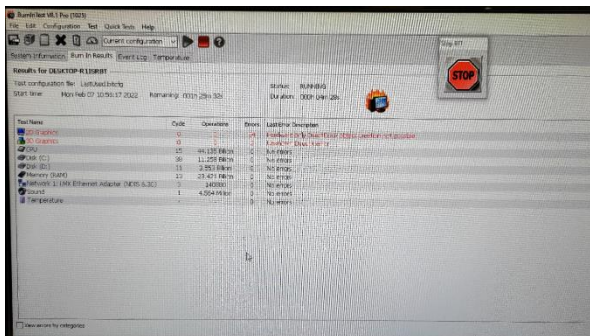
a. It get error after installed BurnInTest V10



b. It get error after installed BurnInTest V9.1

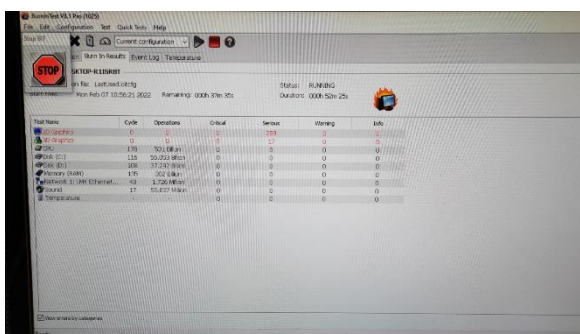


c. BurnInTest V8.1, run BurnInTest 2D/3D Graphics failed. 2D Graphics show "Hardware-only DirectDraw object creation not possible". 3D Graphics show "Unknown DirectX error"



d. It could get black screen after running BurnInTest V8.1 over 90 minutes.

e. It could get system hang after running BurnInTest V8.1 over 58 minutes.

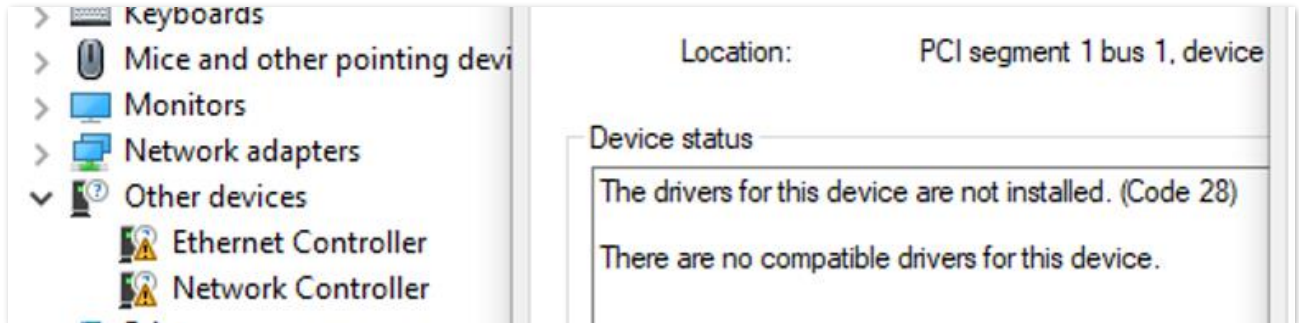


27. Others

- a. The windows after image effect will show up during scrolling, moving window.
- b. The lag effect will be occurred in opening / closing app, file, folder and window switch.

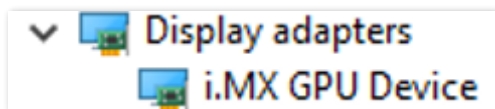
41. M.2-USB

No driver



42. GPU

There is driver installed. However, the poor performance are everywhere in windows operation.



- **Reference:**
[OS support list](#)