**EeePC** [**SRS PREMIUM SOUND**](javascript:submitSelP(%22EeePCPERIPHERAL%22,%20%2220081281%22)) **Test**

**Eee PC: T101MT**

**Rev.: 1.1G**

**SKU#: SKU2**

**BIOS: 0204**

**EC Firmware: EPCD-028**

**Current SCD: N/A**

**OS: Windows 7 Home Premium**

**OS Version: ENT101MT\_W7HP\_32H\_Beta.01**

**Duration: Oct 15th 2009 – Oct 16th 2009**

**Test item: SRS 1.8.18.0 Test.**

1. ***Under Windows 7, SRS 1.8.18.0***

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***On-board Audio*** | | | | | | | Testing time: 6 hrs  (Maintained by Kuowei Huang) | | | | | |
| Test the on-board Audio to ensure the performance, functionalities and verify the driver support. | | | | | | | | | | | | |
| **Package Name** | **Version** | **Publisher** | | | **O.S. Environment** | | | **Status** | | | **Features Tested** | |
| ***Install Audio driver*** | V6.0.1.5948 | Realtek | | | Win7 Home Premium | | | Pass | | | Install Audio driver successfully and check it has  No error Message | |
| ***Re-install Realtek Driver & Application*** | V6.0.1.5948 | Realtek | | | Win7 Home Premium | | | Pass | | | Re-install Realtek Audio Application and it should prompt user that was installed already. | |
| ***Install SRS*** | V1.8.18.0 | SRS Labs | | | Win7 Home Premium | | | Pass | | | Install SRS successfully and check it has  No error Message | |
| ***Works after resume from suspend S3*** | System | Microsoft | | | Win7 Home Premium | | | Pass | | | 1.Device is still existed in system property listing and works.  2.Check On-board speaker ,microphone and all audio jack function are normal. | |
| ***Works after resume from suspend S4*** | System | Microsoft | | | Win7 Home Premium | | | Pass | | | 1.Device is still existed in system property listing and works.  2.Check On-board speaker ,microphone and all audio jack function are normally. | |
| ***Low power on battery mode*** | System | Microsoft | | | Win7 Home Premium | | | Pass | | | When battery power less than 5%, check device and the function can work normally on battery mode. | |
| ***CPU loading*** | System | Microsoft | | | Win7 Home Premium | | | Pass | | | Check Windows Task Manager the CPU loading is normally | |
| ***Power Scheme Test*** | System | Microsoft | | | Win7 Home Premium | | | Pass | | | Select power scheme at "Battery saver mode" , play a music CD and plug in/Pull out AC adaptor to check any abnormal | |
| ***Uninstall SRS panel*** | V1.8.18.0 | SRS Labs | | | Win7 Home Premium | | | Pass | | | Remove SRS application from Control panel successfully. | |
| ***Uninstall Realtek Audio driver*** | V6.0.1.5948 | Realtek | | | Win7 Home Premium | | | Pass | | | Remove installed Audio driver and all components. | |
| **Type** | **Test Item** | | | | **Sub-test item** | | | **Status** | | | **Features Tested** | |
| ***SRS Audio Enhancement*** | ***SRS files check*** | | | | SRS file check | | | Fail  Refer to bug24 | | | To check the XML file from  “C:\Program Files\SRS Labs\” is correct. (preset\_asus\_EeePC\_XXXX.xml) | |
| ***Preset configuration check*** | | | | Preset configuration check | | | Pass | | | Open “preset\_asus\_EeePC\_XXXX.xml” file, and search “TruBass Speaker Size” string. Check value is between 300 ~ 400Hz. | |
| ***Main Test*** | | | | Enable/Disable | | | Pass | | | To check sound effect is work or not. | |
| ***Music*** | | | | Headphone | | | Pass | | | Adjust the volume to max. And plays specific media file and check it has no noise. | |
| External Speaker | | | Pass | | |
| Internal Speaker | | | Pass | | |
| ***Movie*** | | | | Headphone | | | Pass | | | Adjust the volume to max. And plays specific media file and check it has no noise. | |
| External Speaker | | | Pass | | |
| Internal Speaker | | | Pass | | |
| ***Game*** | | | | Headphone | | | Pass | | | Adjust the volume to max. And plays specific media file and check it has no noise. | |
| External Speaker | | | Pass | | |
| Internal Speaker | | | Pass | | |
| ***Options*** | | | | SRS® Center | | | Pass | | | To check the function is normally. | |
| SRS® Space | | | Pass | | | To check the function is normally. | |
| TruBass® Level | | | Pass | | | To check the function is normally. | |
| TruBass® Speaker Size | | | Pass | | | Change Speaker Size and check the function is normally. | |
| FOCUS™ Level | | | Pass | | | To check the function is normally. | |
| SRS® Definition | | | Pass | | | To check the function is normally. | |
| Reset | | | Pass | | | To check the function is normally. | |
| ***Application audio quality check*** | ***Enable SRS*** | | | | Winamp | | | Pass | | | Play music with SRS enable and check there is no noise. | |
| Windows media player | | | Pass | | | Play music with SRS enable and check there is no noise. | |
| PowerDVD | | | Pass | | | Play movie with SRS enable and check there is no noise. | |
| WinDVD | | | Pass | | | Play movie with SRS enable and check there is no noise. | |
| Windows Live messenger voice connection test | | | Pass | | | Establish voice connections with SRS enable and check there is no noise. | |
| Yahoo messenger voice connection test | | | Pass | | | Establish voice connections with SRS enable and check there is no noise. | |
| Skype voice connection test | | | Pass | | | Establish voice connections with SRS enable and check there is no noise. | |
| ***Disable SRS*** | | Winamp | | | | | Pass | | | Play music with SRS disable and check there is no noise. | |
| Windows media player | | | | | Pass | | | Play music with SRS disable and check there is no noise. | |
| PowerDVD | | | | | Pass | | | Play movie with SRS disable and check there is no noise. | |
| WinDVD | | | | | Pass | | | Play movie with SRS disable and check there is no noise. | |
| Windows Live messenger voice connection test | | | | | Pass | | | Establish voice connections with SRS disable and check there is no noise. | |
| Yahoo messenger voice connection test | | | | | Pass | | | Establish voice connections with SRS disable and check there is no noise. | |
| Skype voice connection test | | | | | Pass | | | Establish voice connections with SRS disable and check there is no noise. | |
| ***Uninstall SRS application*** | | Winamp | | | | | Pass | | | Remove SRS application, play music and check there is no noise. | |
| Windows media player | | | | | Pass | | | Remove SRS application, play music and check there is no noise. | |
| PowerDVD | | | | | Pass | | | Remove SRS application, play movie and check there is no noise. | |
| WinDVD | | | | | Pass | | | Remove SRS application, play movie and check there is no noise. | |
| Windows Live messenger voice connection test | | | | | Pass | | | Remove SRS application, then establish voice connections and check there is no noise. | |
| Yahoo messenger voice connection test | | | | | Pass | | | Remove SRS application, then establish voice connections and check there is no noise. | |
| Skype voice connection test | | | | | Pass | | | Remove SRS application, then establish voice connections and check there is no noise. | |
| ***Game Park games*** | ***Action*** | | | Chicken Invader | | | | Pass | | | Play a game of GamePark, and check audio has no noise with SRS enable. | |
| Offroad Arena | | | | Pass | | | Play a game of GamePark, and check audio has no noise with SRS enable. | |
| Sweet Home | | | | Pass | | | Play a game of GamePark, and check audio has no noise with SRS enable. | |
| **Audio Device Type** | **Device Name** | | | **Connecting Interface** | | | | **Status** | | | **Features Tested** | |
| **Earphone Mic Headset** | ***Panasonic-RP-HM221*** | | | Headphone Jack | | | | Pass | | | This device should work normally. | |
| **Earphone** | ***Philips SHP2000*** | | | Headphone Jack | | | | Pass | | | This device should work normally. | |
| **Speaker** | ***WiVi S3W*** | | | Headphone Jack | | | | Pass | | | This device should work normally. | |
| **Microphone** | ***SoundMAX Array2-SNA*** | | | Microphone Jack | | | | Pass | | | This device should work normally. | |
| **Bluetooth Headset** | ***Jabra BT620S*** | | | On-board Bluetooth | | | | Pass | | | Establish an A2DP connection and play music, check there has no noise. | |
| ***Stress Test*** | | | | | | | | |  | | |
| Run the aging programs in AC mode over 12 hrs | | | | | | | | | | | |
| **Page Name** | **Test Item** | | | | | **O.S. Environment** | | **Status** | | **Features Tested** | |
| ***Long Time Test*** | Play Audio long time | | | | | Win7 Home Premium | | Pass | | Play mp3 or Audio CD with media player over 12 hours and check it does not have any problem. | |

SRS測試部分:

|  |  |
| --- | --- |
| (1)測試SRS enable與disable時的CPU使用率 | Pass |
| (2)測試SRS excel檔model的設定值 | Pass (對照的是T101的值) |
| (3)Fixed uninstall issue where some registry keys could be orphaned | Pass |
| (4)Fixed synchronization issue on bootup that may lead to incorrect settings. | Pass |
| (5) Added registry key that gets set to inform Realtek codec of various information | Pass |

Bug24:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| [**Detail**](http://projects.asus.com.tw/asp/bug/bugupd.asp?Project=20081281&bugkey=24&bugno=24&viewps=) | **Bug#:** 24 | **Sample#:** | **Init:** 10/16/2009 | **Priority:** High | **Closed Date:** |
| **Problem Description** | Model: T101MT/ER PCB: 1.1G  BIOS: 0204  EC Firmware: EPCD-028 OS: Windows 7 Home Premium Image Build: ENT101MT\_W7HP\_32H\_Beta.01 3rd AP Version: SRS Premium Sound V1.8.18.0 Audio Driver Version: Realtek V6.0.1.5948 Eee Docking V2.6.0 Problem: 1.安裝SRS后,點擊Eee Docking/Eee Xperience/SRS Premium Sound無反應. (Eee Docking Touch V3.2.0 can fix it). 2.The XML file(C:/Program Files/SRS Labs/SRS Premium Sound Control Panel) name is"presets\_ASUS\_T101".It should name T101MT. (Sean\_Tseng:原因是EPC會有衍生機種但是可以共用Preset,若新增加入衍生機種完整model name會有schedule的concern,所以不會用完整名稱進行判定) | | | | |
| **Solution** | 10/16/2009 11:07:13 AM(ASUS/QT/Luna\_Kan):S/W解釋該問題為正常現象:3.使用內置Speakers播放時,Muisc/Movie/Game模式下項目TruBass Speaker Size灰選. | | | | |