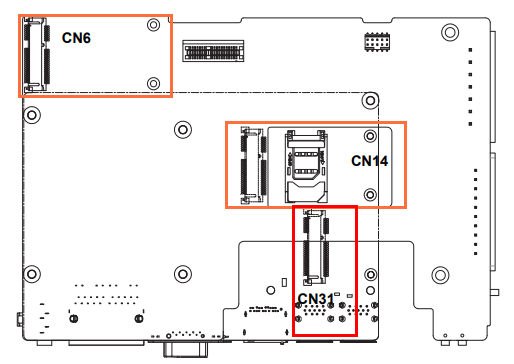
Advantech AE Technical Sharing Document

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| --- | --- | --- | --- |
| **Date** | 2021/ 6 / 1 | **Release Note** | □ Internal ■ External |
| **Category** | ■ FAQ □ SOP | **Related OS** | Windows、Linux |
| **Abstract** | Some PCIe cards cannot be detected by CN14/CN31 | | |
| **Keyword** | Network card/WIFI/Bluetooth/BIOS/mPCIe/USB | | |
| **Related Product** | UNO-1483 | | |

* **Problem Description:**

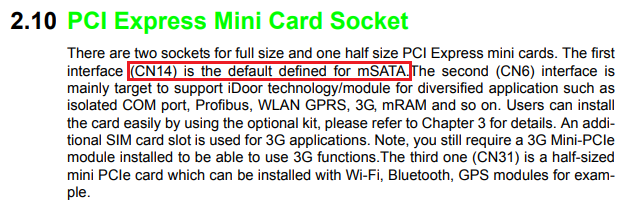
1. CN14 and CN31 cannot detect wireless network cards, only CN6 can be used.
2. This FAQ can be applied to WIFI (mPCIe) and Bluetooth (USB) network cards
3. We take EWM-W188M2(WIFI+Bluetooth) as example



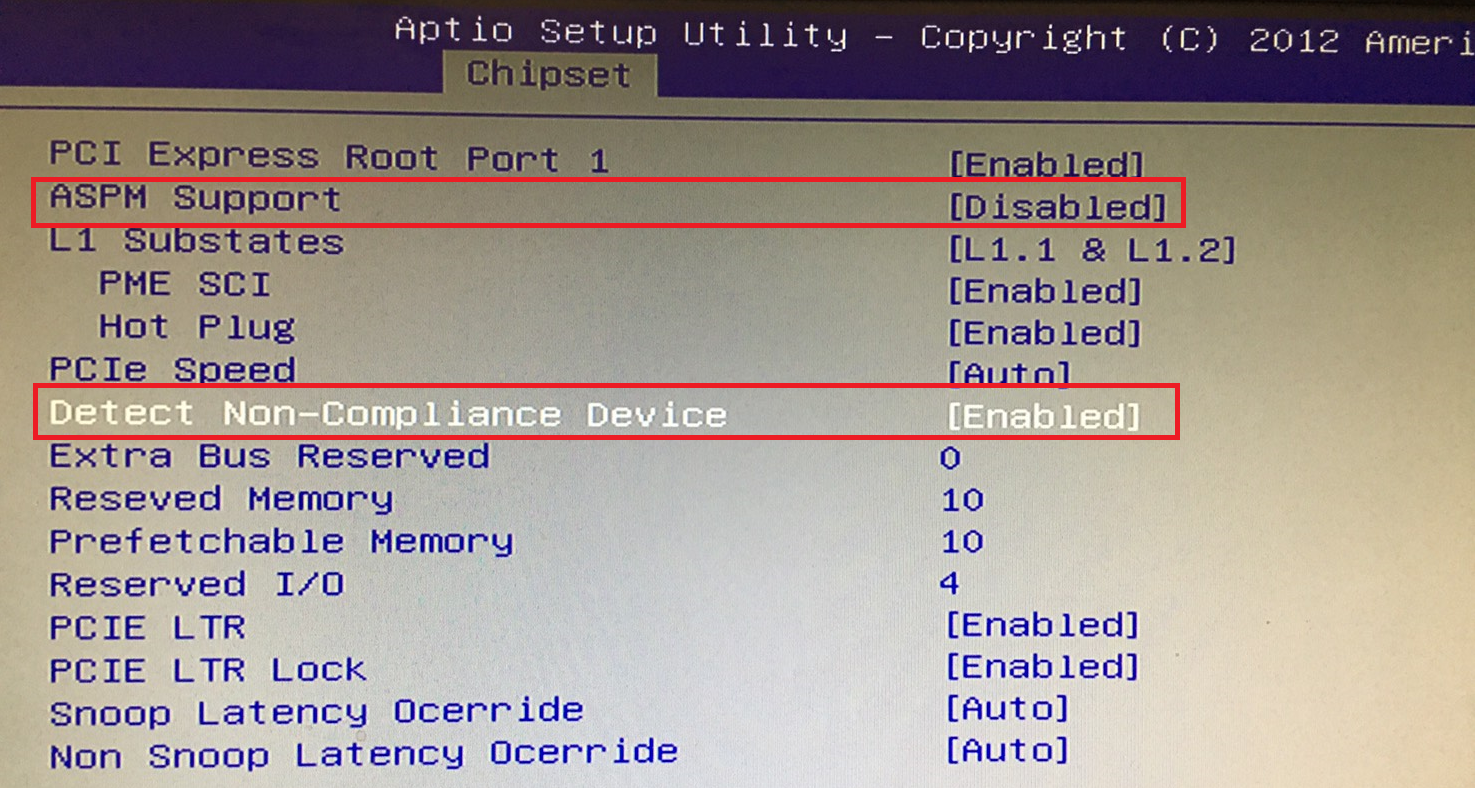
* **Brief Analysis and Solution :**

1. CN14 : It is set to mSATA by default, and mPCIe cards cannot be used.

\*For special needs, please contact ACL PAE team.

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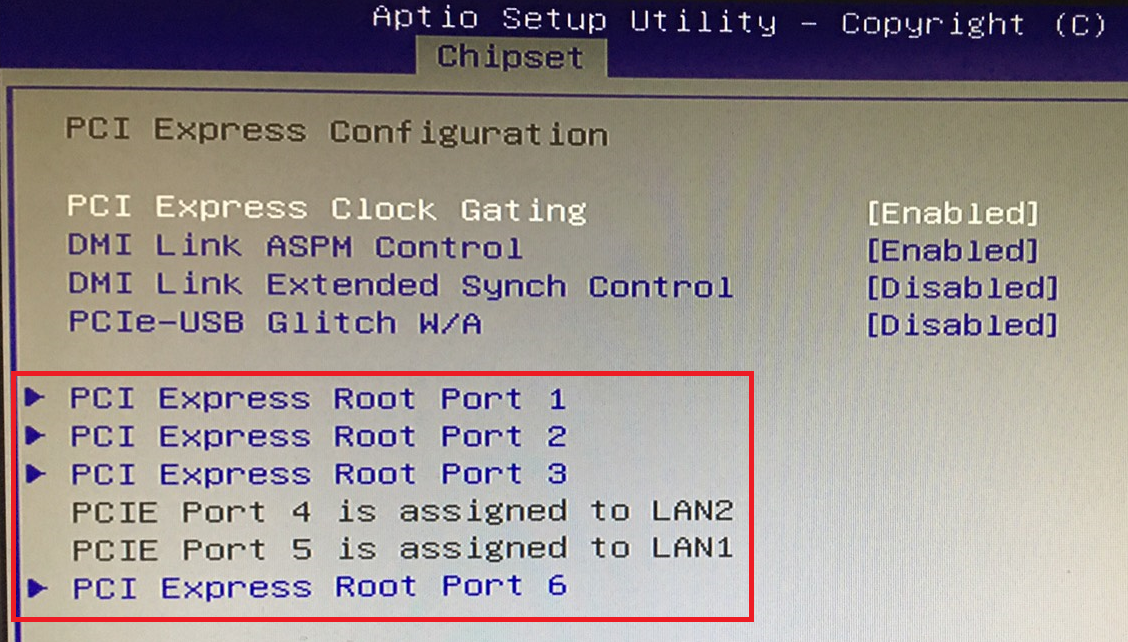
1. CN31 : It needs been adjusted BIOS settings :
   1. ChipsetPCH-IO ConfigurationPCI Express ConfigurationPCI Express Root Port X-ASPM[Disable]
   2. ChipsetPCH-IO ConfigurationPCI Express ConfigurationPCI Express Root Port X-Detect Non-Compliance Device[Enable]



**\*Note: CN31 does not provide USB signal and does not support Bluetooth function.**

1. PCI Express Root Port X default sequence :
   1. Port 1 : CN31
   2. Port 3 : CN14

**\*Please select the PCI Express Root Port X of the above options in this order.**



* **Contact Window:**

If you need further information from headquarter, please contact ACL PAE team.