

Advantech AE Technical Share Document

Date	2018 / 06 / 13	Release Note	<input type="checkbox"/> Internal <input checked="" type="checkbox"/> External
Category	<input checked="" type="checkbox"/> FAQ <input type="checkbox"/> SOP	Related OS	WES7
Abstract	How to solve the problem of OS runs very slow after installing the PCM-24S2WF-BE.		
Keyword	WES7, PCM-24S2WF-BE, UNO-2271G-E21AE,		
Related Product	UNO-2271G-E21AE / PCM-24S2WF-BE, CPU 100% full load, OS hang		

■ **Problem Description:**

When the user connects to the Internet by PCM-24S2WF-BE, the OS becomes very slow, it hangs for 30 seconds, and the CPU is always busy with 100% full load.

■ **Problem Analysis:**

Since some Wifi cards require more resources to operate but the E3815 has only one CPU core which results in high loading on UNO-2271G-E21AE.

■ **Brief Solution:**

1. Please replace the PCM-24S2WF-BE with EWM-W157H01E(also need to order 1750008717-01 x 2pcs + 1750006043 x 2pcs).
2. Changing to dual core CPU(E3825), this request will be supported by project.

UNO-2271G

**Intel® Atom™ Pocket-Size
Smart Factory Edge Gateway with
2 x GbE, 1 x mPCIe, HDMI, eMMC**



Features

- Intel® Atom™ E3815/E3825 Processor with 4GB DDR3L onboard Memory
- 2 x GbE, 1 x USB 3.0, 1 x HDMI, Option 2 x RS-232/422/485 or 3 x USB2.0
- Compact Fanless Design
- Rubber Stopper Design with internal reserved screws for 2nd layer assembly
- Diverse system I/O and Isolated Digital I/O by iDoor Technology
- Supports Fieldbus Protocol by iDoor Technology
- 3G/GPS/GPRS/Wi-Fi Communication by iDoor Technology
- Supports 30+ iDOOR combination with four main categories of smart factory application
- 32GB eMMC storage onboard