

Advantech AE Technical Share Document

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Category	<input checked="" type="checkbox"/> FAQ <input type="checkbox"/> SOP	Related OS	WinCE5, Win32
Abstract	Easy troubleshooting for APAX IO modules		
Keyword	Troubleshooting, APAX IO, LED status		
Related Product	APAX IO module series		

[Problem]

How to use the LED indicator on APAX IO module to analyze the module status and do the troubleshooting?



LED Indicator & troubleshooting

[Solution]

Case 1: LED always **bright**

Causation: I/O modules are in the normal condition and without any problems.

LED – green color: APAX IO ID number is in the 0~15 section.



LED – orange color: APAX IO ID number is in the 16~31 section.

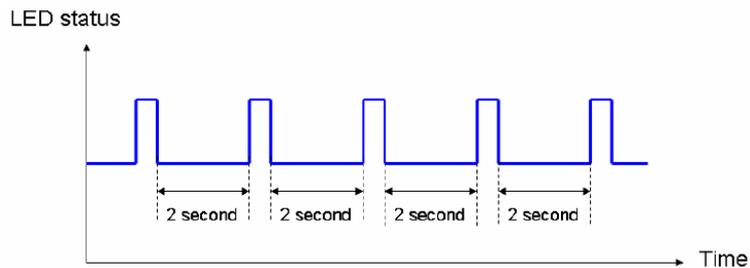


Case 2: LED continues **flashing one time every 2 seconds**

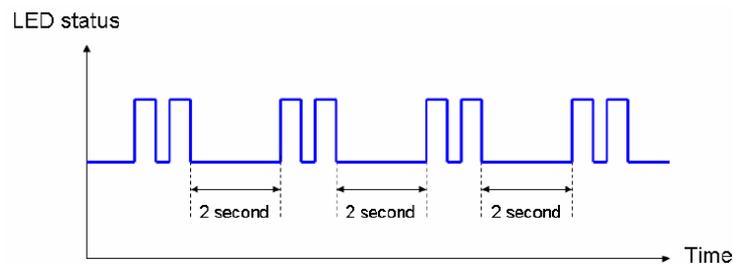
Causation: I/O module has problem itself

Solution:

- Download the latest firmware again to see if it works well
- If problem still exists after updating firmware, need further support

**Case 3:** LED continues **flashing 2 times every 2 seconds****Causation:** I/O module has communication problem**Solution:**

- Check if the controller or coupler is installed and power-on
- Check if the Ethernet connection is broken when you have remote expansion
- Check if any backplane is broken
- Download latest firmware again to see if it works well
- If problem still exists after updating firmware, need further support

**Case 4:** LED continues **flashing 4 times every 2 seconds****Causation:** ID number of one I/O module conflicts with another I/O module**Solution:**

- Check ID number of all I/O modules in the same system
- Adjust the ID number to avoid different I/O modules with the same ID number. Then reboot the system and it should work fine
- If the LED continues flashing after you have adjusted the ID number, need further support

