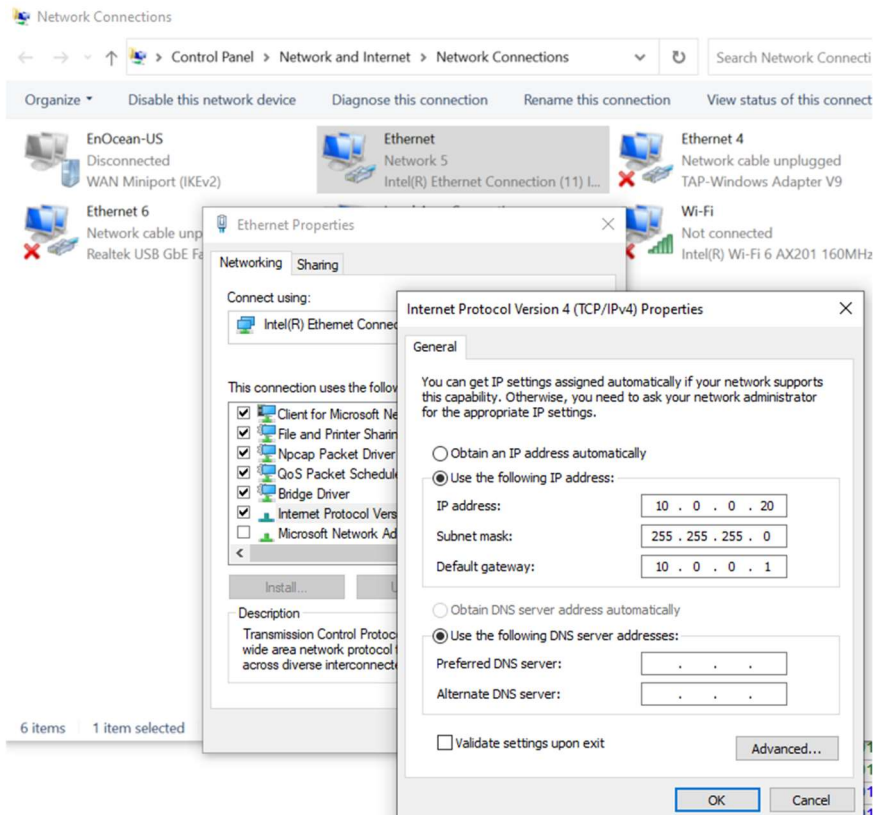


# ADAM-6266 DIO Module

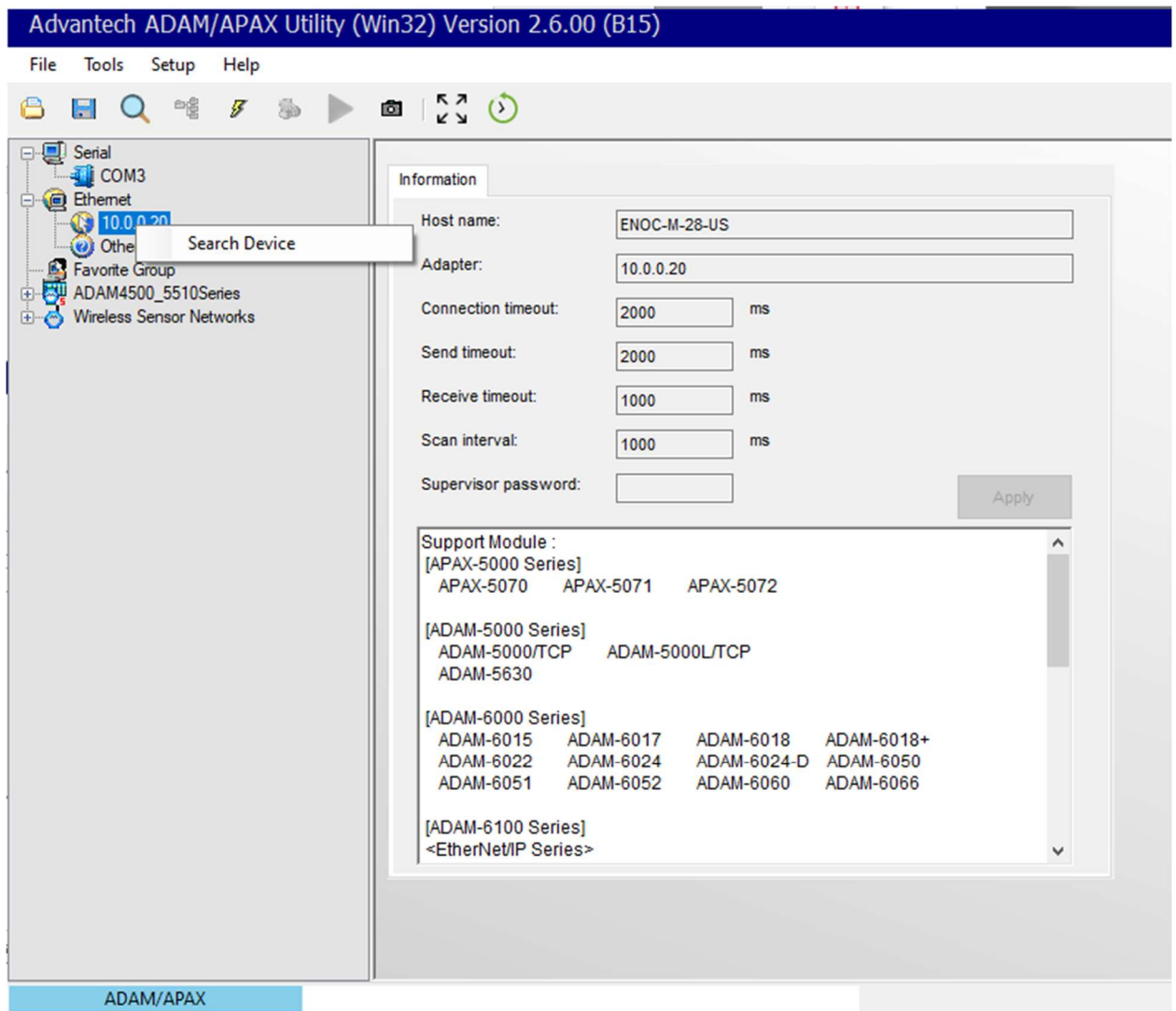
The Advantech Adam-6266 is an excellent choice for DIO interfaces for outdoor lighting systems. This document describes the steps to integrate this device with the SmartServer-IoT. These instructions were created against Adam-6266 firmware version 6.11 B26, in factory default condition.

1. Configure your PC Ethernet adaptor to be on the with this static IP configuration:



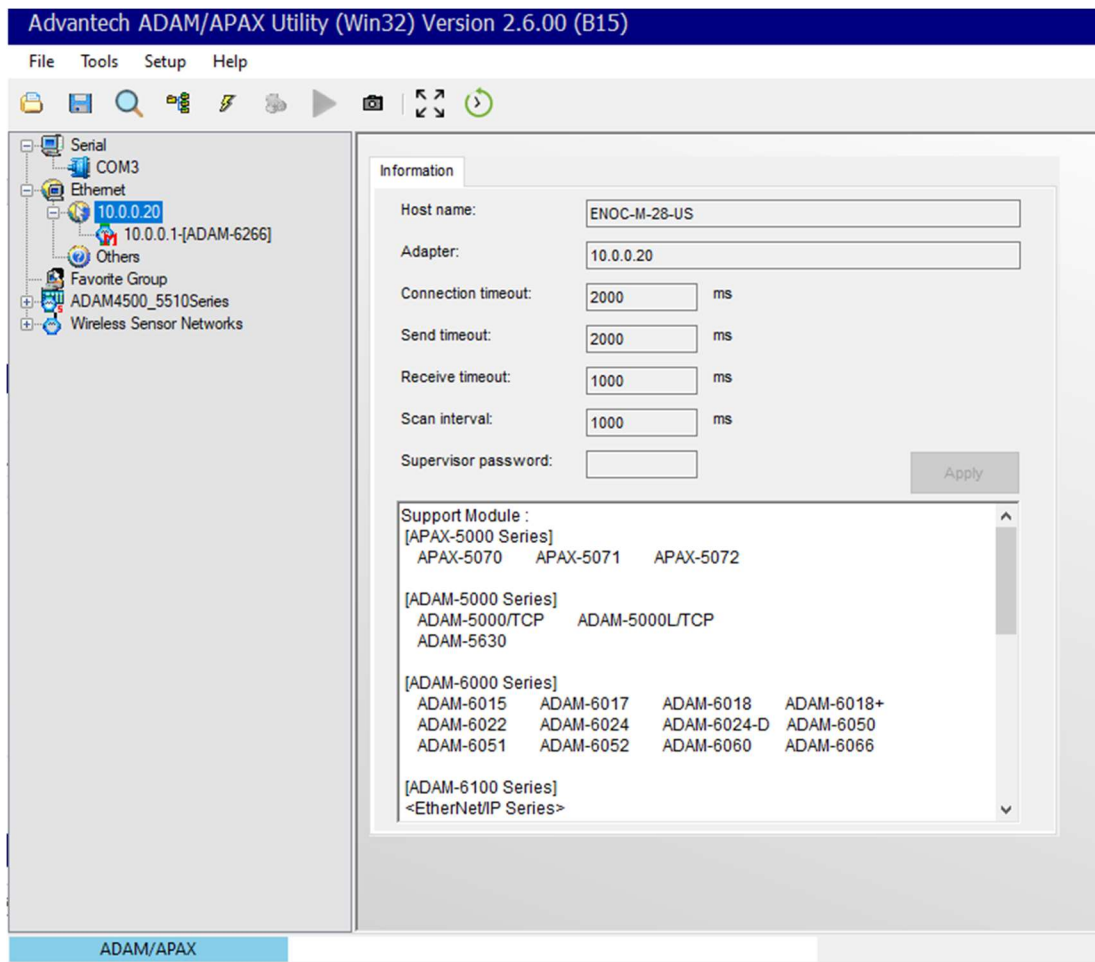
2. Install this software from Advantech on your Windows PC: [Adam/Apax. Net Utility for ADAM/APAX series - Advantech Support - Advantech](#). This document was written when V2.06.00 B15, released 2022-07-26.
3. Connect the Adam-6266 device to the Ethernet port configured with the 10.0.0.20 address.
4. Launch the AdamApax .Net Utility.
5. Right-click the Ethernet interface configure with the 10.0.0.20 and select Search Device:





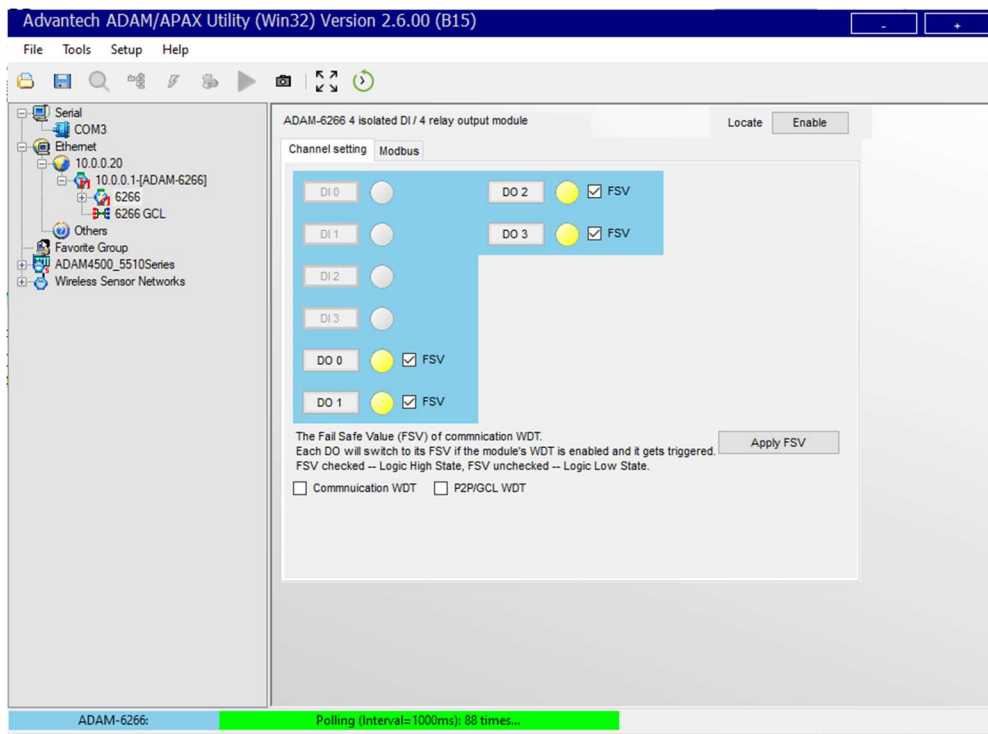
6. You should see the Adam-6266 device with the address.



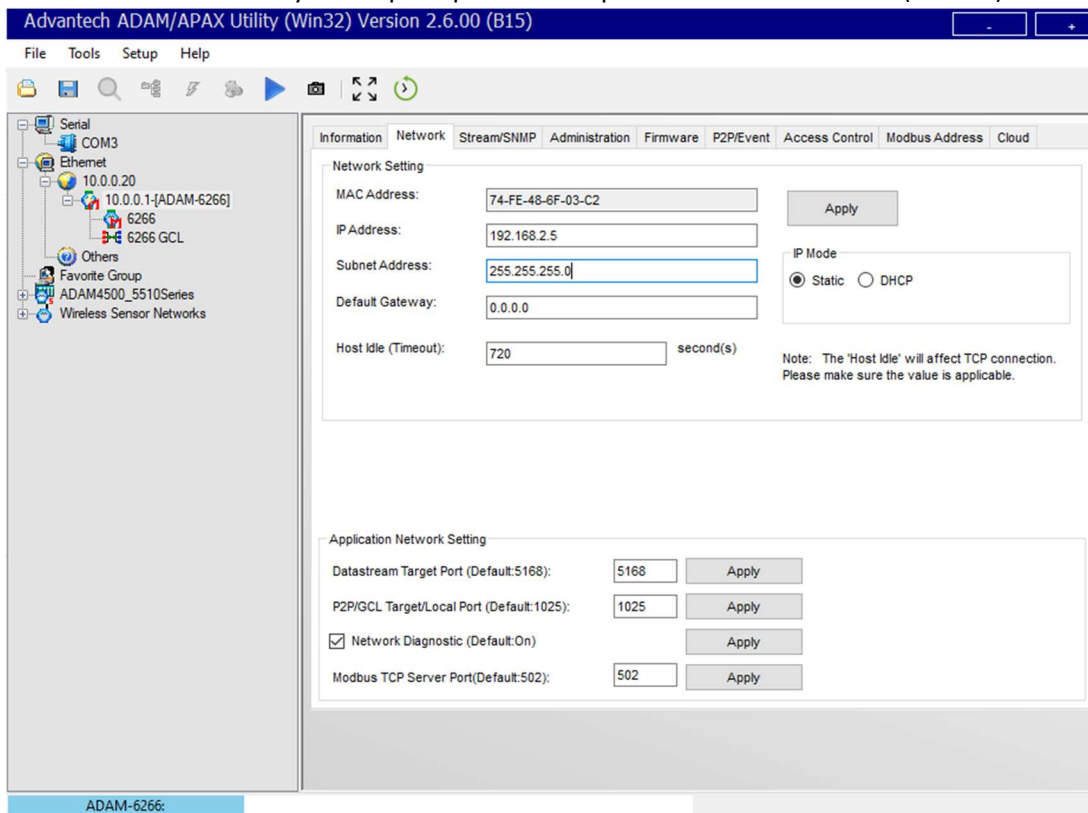


7. Select the device that is discovered and then the 6266 child node. Click the Channel tab and select the FSV (Fail Safe Values) to be ON. Use the DO buttons to set the value. Click Apply FSV. Use the password 00000000 (8 zeros) when prompted.





8. Select the ADAM-6266 parent node and click the Network tab in the main application frame. Use the configuration shown here and click Apply. This is the same subnet as the Eth1/WAN port of the SmartServer IoT. When you are prompted for the password use: 00000000 (8 zeros)





9. Disconnect the Adam-6266 from the PC and connect to the SmartServer eth1/WAN port and apply power. Confirm in the SmartServer Configuration page that the network settings for the eth1/WAN port are as show here:

The screenshot shows a web browser window with the URL `https://10.100.16.216/config/network.php`. The browser's address bar shows a "Not secure" warning. The page title is "EnOcean Self-powered IoT". The navigation menu includes "System", "Network", "LON", and "BAC". The main content area is titled "Network Configuration". Under "LAN Interface\*", there is a dropdown menu set to "DHCP", and the following information is displayed: "Current IP Address 10.100.16.216", "Network Mask 255.255.255.0", and "Default Gateway 10.100.16.2". Under "WAN Interface\*", there is a dropdown menu set to "Static IP Address", and the following fields are visible: "IP Address" (192.168.2.222), "Network Mask" (255.255.255.0), "Gateway", "DNS 1", and "DNS 2". Below these fields is a "Hostname\*" field containing "smartserver-17qeprf". An "Update" button is located at the bottom of the form. A note at the bottom states: "\*Reboot required if changed".

Network Configuration

LAN Interface\*

DHCP

Current IP Address 10.100.16.216

Network Mask 255.255.255.0

Default Gateway 10.100.16.2

WAN Interface\*

Static IP Address

IP Address 192.168.2.222

Network Mask 255.255.255.0

Gateway

DNS 1

DNS 2

Hostname\*

smartserver-17qeprf

Update

\*Reboot required if changed

10. Login to the CMS, import the supporting device type package ADAM-6266.dtp in Import/Export menu option. Wait until the device type Adam-6266 appears in the device widget.



11. Use the device widget to create this device and click Save:

The screenshot shows a software interface with a top status bar displaying 'Default', system icons, and resource usage (EPS: 1, CPU: 40%, Mem: 65%, Storage: 4%/8%, 2:17 AM 05/03/2023, EN). A left sidebar contains various icons. The main area is titled 'Create Edge Devices' and contains the following fields:

Name *	Count *	From *
DIO	1	1

Below the table is a 'Context' section. Further down are fields for 'UID' (02:192.168.2.5) and 'Integration method \*' (Manual assignment). Below these are 'Segment Controller \*' (SmartServer IoT (17qeprf)) and 'Driver \*' (Modbus). The 'Device type \*' field is set to 'Adam-6266'. At the bottom are 'Tags' and 'Description' fields. 'CANCEL' and 'SAVE' buttons are at the bottom right.

12. Use the device widget action menu to provision the DIO device.

You now have a device that can be scheduled to control power to the streetlight segment by connection the N.O. output to D0 on the Adam-6266 module. If the SmartServer fails to keep the connection open with continuous polling, the relay fails ON.

You may elect to use the N.C. connection and set the FSV to OFF. This would give you an ON condition for the streetlight segment if you were to lose power to both the SmartServer IoT and the Adam-6266 module.