

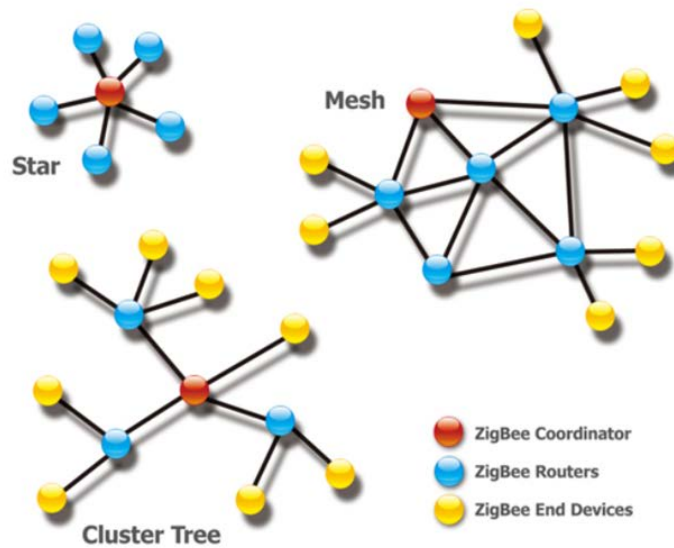


Making Data Acquisition Easy

CAGE/NCAGE Code: 3FNFO

Using Zigbee to wirelessly trigger digital outputs

Zigbee is a wireless mode of communication which is becoming more and more popular. Zigbee operates on the same 2.4 GHz bandwidth that standard Wi-Fi products work. One of the benefits of Zigbee is that it can be incorporated in a mesh network configuration. This allows multiple devices to communicate with each other easily.



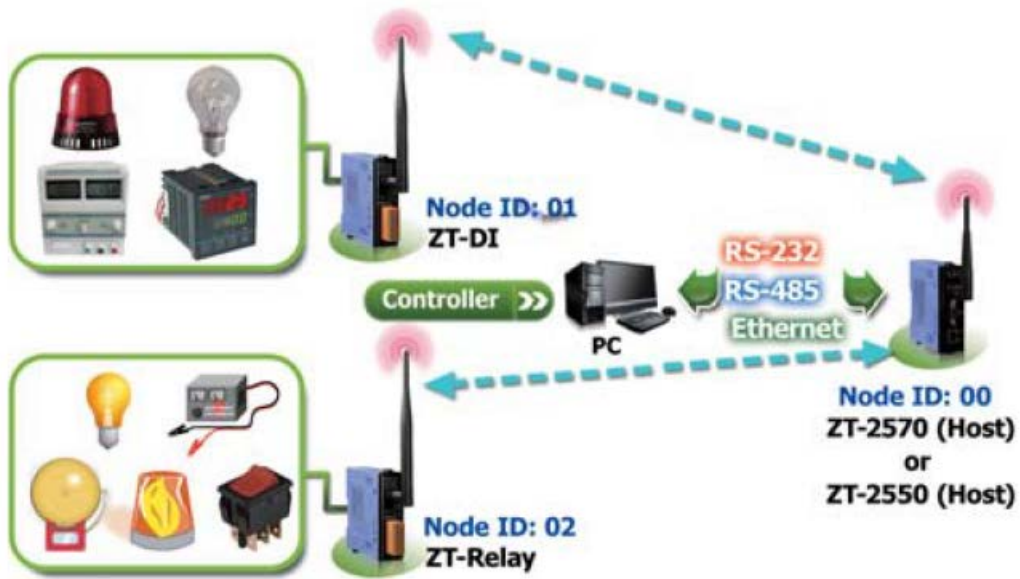
Our standard Zigbee IO modules allow a user to monitor and control wireless IO using a PLC or HMI using Modbus protocol. In this architecture, the ZT IO modules act as Modbus slave devices and require a Modbus Master device to read and write IO.

<https://www.icpdas-usa.com/zigbee-alliance-table.html>



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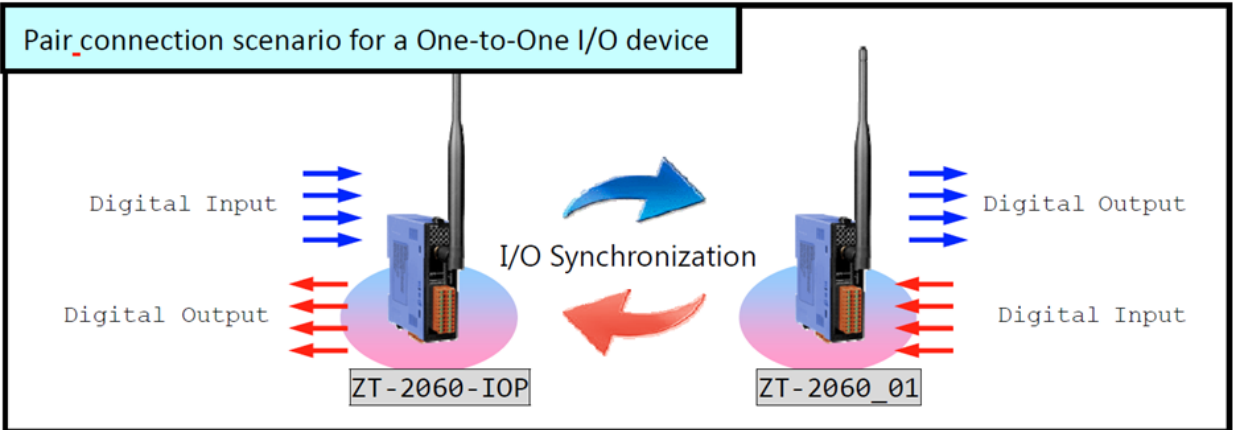
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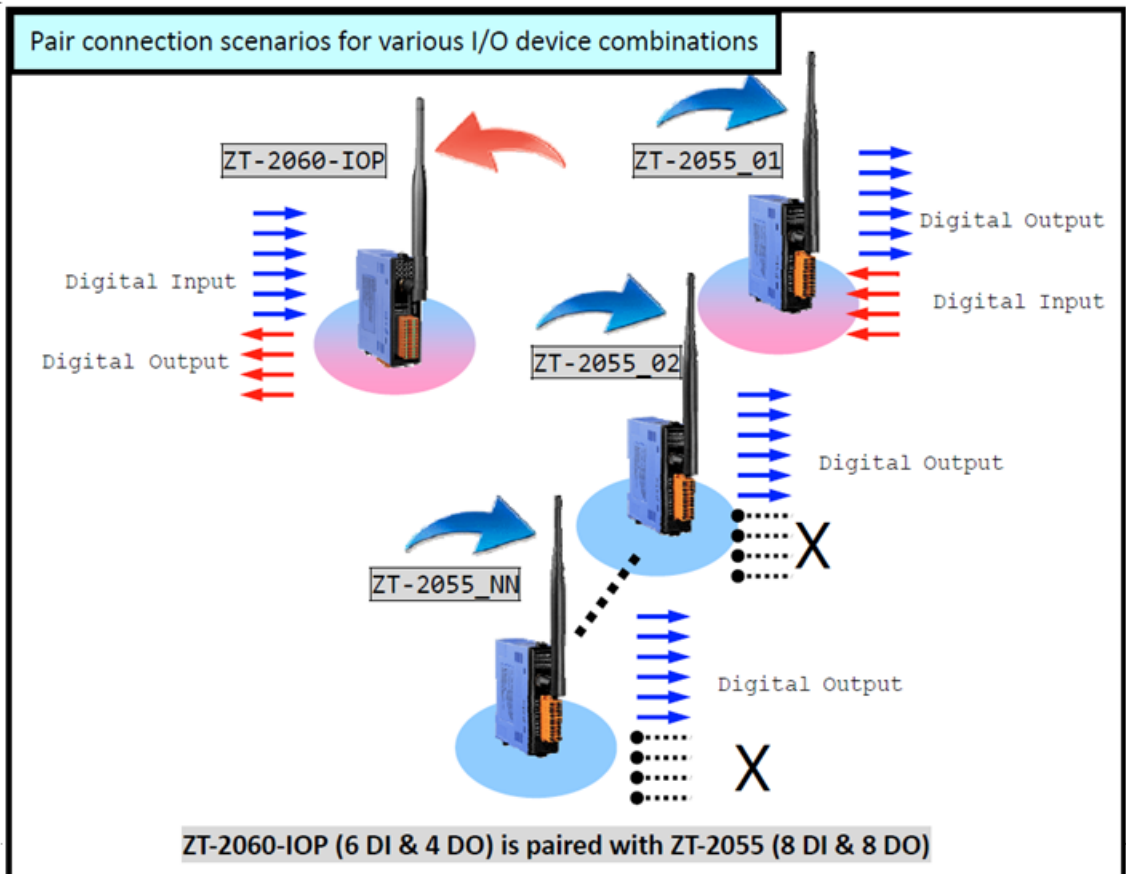
Using our new IOP modules, users can directly control remote IO without a master device. The IOP module takes the place of both the Modbus master device and Zigbee host module; creating a direct connection between the ZT-IOP and one or multiple ZT-IO modules.



This combination works well for applications where one or multiple digital inputs trigger corresponding digital outputs. For application where there are both DI and DO on both ends, the IOP also allows for two way pairing of the IO.



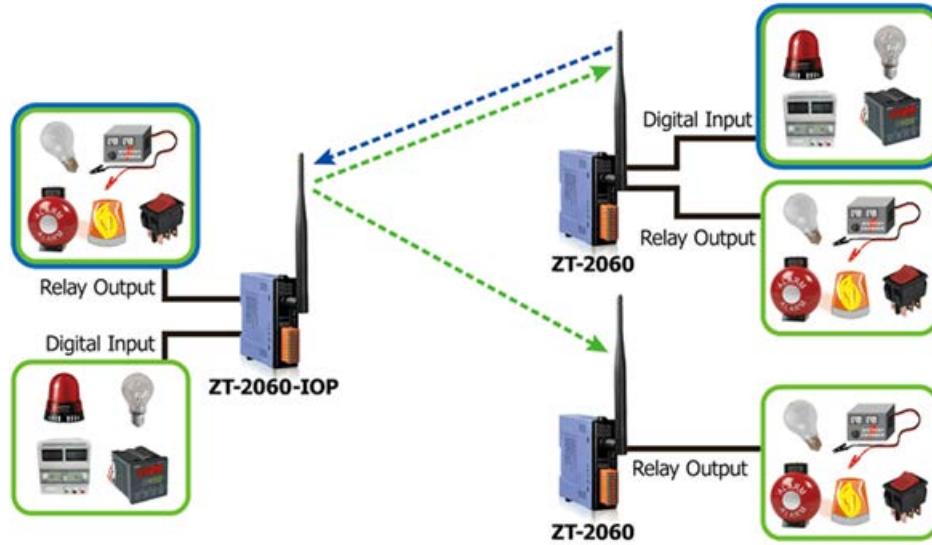
Another common application requires the IOP to trigger DO on several ZT-IO modules. For this combination only the Digital inputs from 1 module can be paired with the IOP as shown below.





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If you have any questions concerning any of our products, please contact us via email or phone. We are here to help.