



Making Data Acquisition Easy

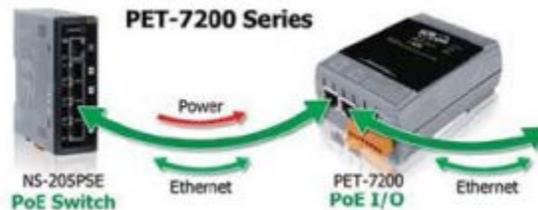
CAGE/NCAGE Code: 3FNFO

Dual Ethernet port Modbus TCP I/O Module



The ET-7200/PET-7200 module offers the most comprehensive configuration focused on meeting specific application requirements. It features a Built-in web server which allows configuration, I/O monitoring and I/O control by simply using a regular web browser. Remote control is as easy as surfing the Internet.

The PET-7200 series module can be powered by an IEEE802.3af compliant PoE switch. Both Ethernet and power can be carried by an Ethernet cable eliminating the need for additional wiring and power supply.



The ET-7200/PET-7200 Series has a built-in two-port Ethernet switch to implement daisy-chain topology. The cabling is much easier and total costs of cable and switch are significantly reduced.





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LAN Bypass feature guarantees the Ethernet communication. It will automatically active to continue the network traffic when the ET-7200/PET-7200 loses its power.

Communication Security Account and password are needed when logging into the web server. An IP address filter is also included, which can be used to allow or deny connections with specific IP addresses. Support for both Modbus TCP and Modbus UDP Protocols.

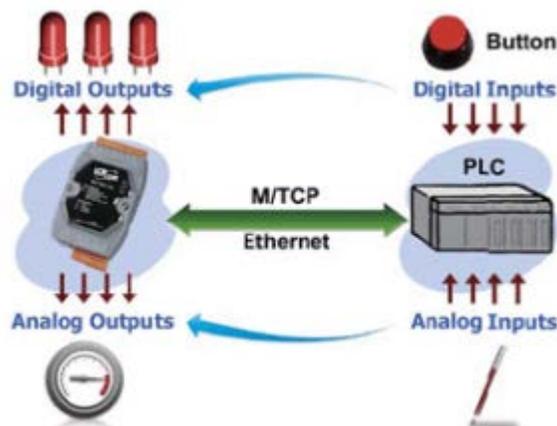
The Modbus TCP, Modbus UDP slave function on the Ethernet port can be used to provide data to remote SCADA software. EZ Datalogger software can also be used to monitor and control data from ET-7200/PET-7200.

Built-in I/O Various I/O components are mixed with multiple channels in a single I/O module, which provides the most cost effective I/O usage and enhances performance of the I/O operations.

The Dual Watchdog is consists of a Module Watchdog and a Communication Watchdog. The action of AO, DO are also associated to the Dual Watchdog. Module Watchdog is a built-in hardware circuit to monitor the operation of the module and will reset the CPU if a failure occurs in the hardware or the software. Then the Power-on Value of AO, DO will be loaded. Communication Watchdog is a software function to monitor the communication between the host and the I/O module. The timeout of the communication Watchdog is programmable, when the I/O doesn't receive commands from the host for a while, the watchdog forces the AO, DO to pre-programmed Safe Value to prevent unpredictable damage of the connected devices.

ET-7200/PET-7200 also has highly Reliable under harsh environment wide operating temperature range: -25 ~ +75°C Storage Temperature: -30 ~ +80°C Humidity 10 ~ 90% RH (Non-condensing)

I/O Pair Connection function is used to create a AI/DI to AO/DO pair through the Ethernet. Once the configuration is completed, the I/O module can poll the status of remote AI/DI devices and then use the Modbus TCP protocol to continuously write to a local AO/DO channels in the background.





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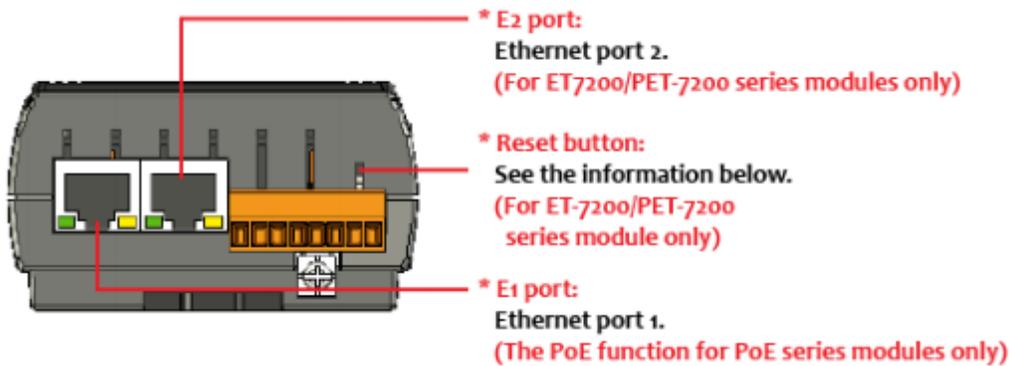
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Besides setting by the set AO, DO commands, the AO, DO can be set under two other conditions. The Power-on Value is loaded into the AO, DO under 3 conditions: Power-on, reset by Module Watchdog, reset by reset command. Safe Value: When the Communication Watchdog is enabled and a Communication Watchdog timeout occurs, the “safe value” is loaded into the AO, DO. LED indicators for DIO status

The LED indicators for DIO status are for ET-7200/PET-7200 series. Reset button

The reset button is for ET-7200/PET-7200 series. It is used to clear all data and restore all settings to be factory default values. It is very useful especially when you forget the ID, password to log into the web server, or IP address to access the Ethernet I/O module.

Two pair of power input pins For ET-7000/PET-7000 series, there are only two pins for power input. To ease the wiring, the pins are increased to four pins as two pairs for ET-7200/PET-7200 series.



If you have other Modbus TCP data acquisition requirements or have some questions, we can certainly help you to choose the best solution. Please call our technical support team at (310) 517-9888 X102