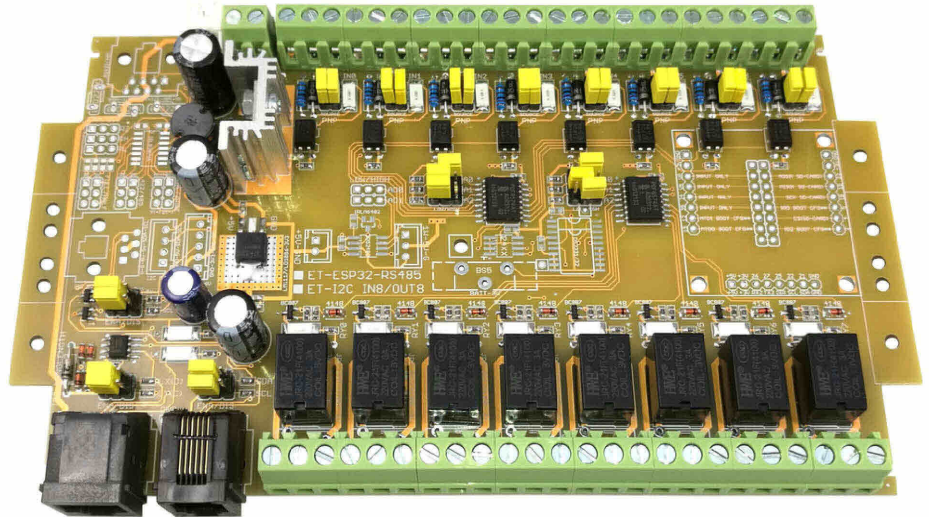


ET-I2C IN8/OUT8 (P-ET-A-00614)

ET-I2C IN8/OUT8 ... uses the same PCB as ET-ESP32-RS485. It only assembles additional Circuit in a part of 8-CH INPUT OPTO, 8-CH OUTPUT RELAY, and I2C BUS LONG LENGTH that can be connect this Board I2C for a longer distance.

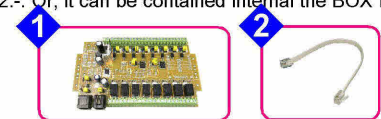


SPECIFICATIONS

- Separate 8 OUTPUT RELAY 3A(125 VAC/30VDC); provide Connector SCREW TERMINAL BLOCK 3PIN per 1 OUTPUT as NC, COM, NO; PCF8574 is used as PORT to receive Commands from I2C; setup a maximum of 8 ADDRESS Positions of Board in BUS I2C by JUMPER
- 8 INPUT DC OPTO-ISOLATE receives 12V; choose type of INPUT either to be Contact, or NPN or PNP when it is used with SENSOR devices. Provide Connector SCREW TERMINAL BLOCK 3PIN per 1 INPUT to be VIN, IN, GND; PCF8574A is used as PORT to receive Commands from I2C; and setup a maximum of 8 ADDRESS Positions of Board in BUS I2C by JUMPER.
- Connector I2C as FEMALE RJ11 6PIN can be connected to I2C Devices, it can be connected to Board ET-ESP8266-RS485, ET-MEGA32U4-RS485. Connector I2C as LONG LENGTH FEMALE RJ45 8PIN is connected to I2C BUS for a long distance of 20 meters long. It uses IC P82B715 as BUS REPEATERS (Cable LAN UTP recommended).
- Use POWER SUPPLY 12VDC for Board by using IC SWITCHING 5V/1A No.LM2575-5. The Connector is 2PIN SCREW TERMINAL and WAFER 2PIN 2.50mm (It can use ET-SWITCHING ADAPTER 12V 1A TYPE B(A-AP-A-00122), it costs **(OPTION: Additional Purchase)**. Or, if connecting from Board ET-ESP32RJ45, it uses
- POWER SUPPLY 12V from Connector RJ45 8PIN I2C as LONG LENGTH.
- PCB Size: 19.2 x 10.5 CM (this PCB set can be mounted on ADAPTER RAIL DIN35 (A-BX-E-00044), it costs *22.-. Or, it can be contained internal the BOX DIN 200 x 110 x 60 mm (A-BX-E-00051), it costs **(OPTION: Additional Purchase)**)
- A set of Board **ET-I2C IN8/OUT8** includes ...

1. Board ET-I2C IN8/OUT8
2. Cable RJ-I2C-RJ (P-CB-A-00041)
3. Document and Example Programs, DOWNLOAD from ETT's Website:

http://www.etteam.com/product/I2C_RS485/ET-I2C-IN8-OUT8/ET-I2C-IN8-OUT8.html



OPTION: ADDITIONAL PURCHASE

BOX DIN 200X110X60 mm (A-BX-E-00051)



- **FRONT**
- **BACK**
- Board ET-ESP32-RS485 or ET-I2C IN8/OUT8 fits into this Box.

Dimensions of this creamy plastic box are 200 X 110 X 60 mm; it is provided with a board-holder to attach board to 2 sets of Rail DIN 35mm at the back of the box. ET-ESP32-RS485, ET-I2C IN8/OUT8 fits into this Box.

ADAPTER RAIL DIN35 (A-BX-E-00044)

It attaches to PCB Boards like ET-ESP32-RS485, ET-I2C IN8/OUT8 to Rail DIN 35 mm.



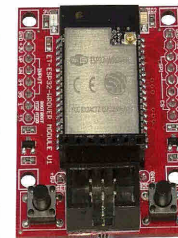
- Dimensions: 19.5mm(H) x 43.25mm(L) x 10mm (W)
- A set includes 1 of ADAPTER RAIL DIN 35mm and 2 of SCREWS

DIN35 RAIL 49CM (A-BX-I-00061)



- RAIL is 49.7cm long can be attached to Board that has DIN 35mm.

ET-ESP32-WROVER MODULE V1 (P-ET-A-00615)



ESP32 WROVER controls the operation of device. SMD MODULE, ESP32-D0WDQ6, 2 CORES 32 bit LX6 MCU, 600 MIPS, 4MB SPI FLASH/ 8MB PSRAM WIFI 802.11 b/g/n, 2.4GH-2.56Hz BLUETOOTH V4.2 BR/EDR AND BLE HARDWARE MODULE INTERFACES SD CARD, UART, SPI, SDIO, I2C, ADC, DAC HALL SENSOR, TEMPERATURE SENSOR, 440 MHZ CRYSTAL

There is SOCKET MICRO SD under the Board to install memory card. Connector RS232 TTL 6PIN IDE is used to write and develop program into ESP32 by Board ET-USB USART/TTL (P-ET-A-00580). It is provided with Connector 8PIN HEADER FEMALE to expand the system; for example, connecting to SIM7020E, SIM7000E.

ESP32-WROVER

ESP32-WROVER (A-IC-M-00080)

It only provides MODULE ESP32 WROVER and PCB ANTENNA inside; or, it chooses to connect to external ANTENNA as required. Size of MODULE is 31.4 x 18.0 mm.



RJ45 8-8 MODULAR PLUG (A-CO-P-00004) RJ11 6-6 MODULAR PLUG (A-CO-P-00007)



- Modular Plug 8PIN RJ45
- Modular Plug 6PIN RJ11



UTP LAN CABLE (P-CB-A-00047)



FLAT TELEPHONE 6 WAYS CABLE (A-CB-A-00058)

