EDAM-9054AB

6 differential DI channels, 2 DO channels and 2 channels counter module

Features

- Support Modbus/TCP,TCP/IP,UDP,ICMP,ARP
- Ethernet 10/100 Based-T Communication
- Support 2 Isolated digital output channels.
- Provide Pulsed/delay Output Mode
- Support 6 Isolated **differential** Input channels.
- Provide Counter/ Frequency Inputs Mode
- ***2 Counter*** (4.5 KHz) input channels
- Fully Photo-Isolation 3750Vrms
- Status LED indicator

■ Specifications

- ✧ Interface: Ethernet 10/100 Based-T communication.
- ✧ COMM.: Support TCP/IP, UDP, ICMP, ARP
- ✧ Protocol: ASCII Format , Modbus/TCP
- ✧ Isolation Digital Input:
  - ➢ Channel: 6 channels (DI0~DI7)
  - ➢ Digital input: isolated **differential input** (sink/source).
  - ➢ Input Level: Logic level status can be inversed via ASCII/Modbus command.
    - ✓ Logical level 0 : +1Vdc Max.
    - ✓ Logical level 1 : +10V ~ +50Vdc
  - ➢ Input Impedance: 10K ohm
  - ➢ counter input: 500Hz counter input (32-bit + 1-bit overflow)
  - ➢ Optical Isolation Voltage: 3750Vrms
- ✧ Counter:
  - ➢ Channel: 2 (C0=DI7, C1=DI8)
  - ➢ Input level:
    - ◆ Logic level 1 (active) : +10V to 50VDC max
    - ◆ Logic level 0 (inactive) : +1 Vac max
  - ➢ Maximum Count: 4,294,967,285(32 bit)
  - ➢ Input Impedance: 10K ohm(Wet Contact)
  - ➢ Input frequency: 4500 Hz max.
  - ➢ Optical Isolation Voltage: 3750Vrms
- ✧ Isolation Digital Output :
  - ➢ Outpu type: isolated **Open drain**(P-MOSFET). Channel: 2 channels
  - ➢ Output logical level: Logic level status can be inversed via ASCII/Modbus command.
  - ➢ Output load voltage: +5V ~ +30Vdc
  - ➢ Max load current : 3 A/per channel.
  - ➢ Each channel supports 1KHz pulse output
  - ➢ Optical Isolation Voltage: 3750 Vrms
- ✧ Display: Status LED indicator
- ✧ Power Requirement:
  - ➢ Power Consumption: 2.0W (Typical)
  - ➢ Power Input: +10 ~ +30 VDC

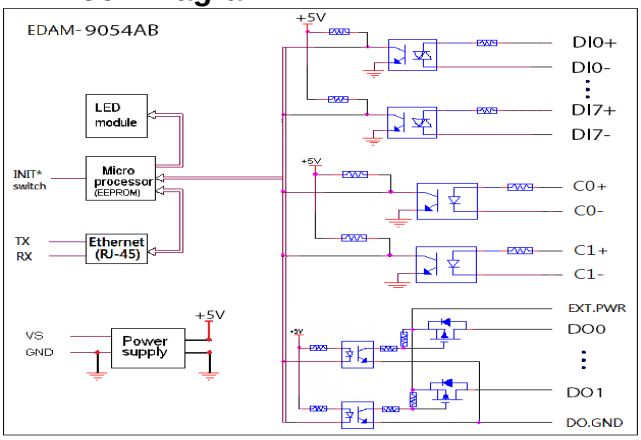
Humidity : 5 ~ 95% RH, non-condensing

■ Order information

EDAM-9054AB : 6 DI, 2 DO & 2 counter module .

■ Flexble OEM/ODM design

Block Diagram



Wire Connection