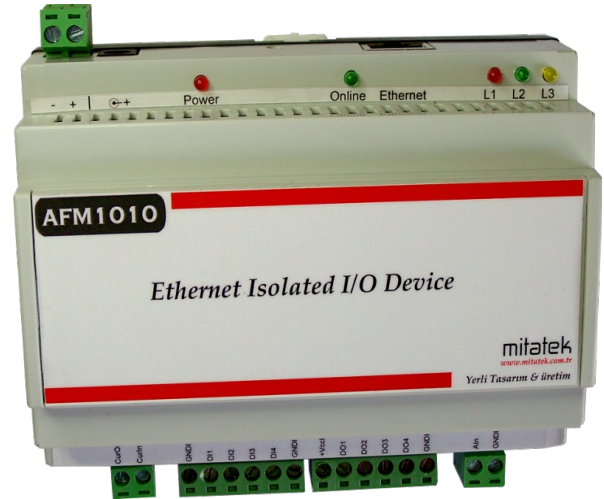# AFM10x0

## Ethernet Isolated I/O Device
## Modbus-TCP

*Analouge Voltage and current monitoring*
*Remote I/O control*
*Web monitoring and Control*
*SCADA Applications*

## Specifications

- 10/100 BaseT Ethernet
- Modbus-TCP Protocol for I/O communication
- Two simultaneous TCP connection
- 4/8 Fully isolated Digital inputs
- Counters for inputs (1-0 count)
- 4/8 Fully isolated Digital outputs
- 1/2 set 4-20mA Current input and 0-10V sensor input
- Isolated 5-32V DC for core supply
- Maximum 24VDC supply for Isolated I/O
- Built in Web interface to see status and setup
- Remote setup PC application
- Five Leds for status
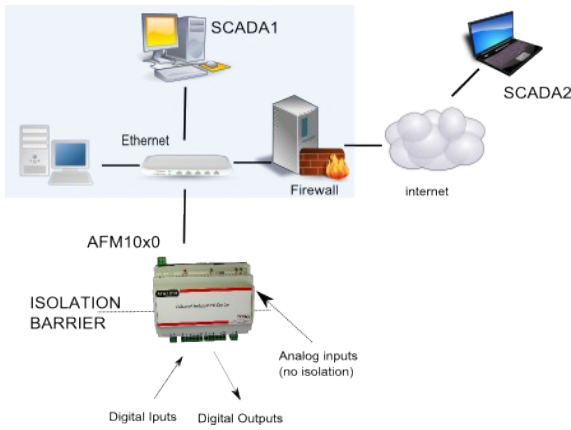- DIN and Wall Mount case
- 125.3mmx90.6mmx56.6mm (WxLxH)

## Advantages

- Input status read and Output control via Ethernet TCP/IP interface.

- Compact system because of Digital and Analog interfaces are in one device.

- Web based monitoring and control

- Isolated input and output control for reliable system solution.

- Industrial widely used Modbus-TCP standard for SCADA software compatibility.

- Scalable structure for new I/O needs.

- Input Counters for reliable status read

## Technical brief

Operating Temp: [-25,+85] °C
10 bit Conversion resolution
AFM1010 4 DIO + 1 Set Analog Input
AFM1020 8 DIO + 2 Set Analog Input

mitatek
ELEKTRONİK TASARIM

## Application



## Web interface



## Electrical values and operating conditions

| Value | Min | Max | Notes |
|---|---|---|---|
| DC supply | 5 | 32 | V(DC) |
| Temperature | -25 | 85 | °C |
| Current | 40 | 200 | mA ( 5V DC supply) |
| Ethernet | 10Base-T | 100BaseT | |
| Digital Inputs maximum isolation voltage | 2500V | - | RMS value |
| Digital input/output supply voltage(VccIso) | 0 | 24 | V(DC) |
| Digital input maximum voltage (DIx) | 0 | 24 | V(DC) |

## Documents

| Value | Name |
|---|---|
| User Manual | MT_AFM1010_KK_01 |

## Order Code

| AFM10X0-Y | X = 1 AFM1010 (4DIO, 1AI), X = 2 AFM1020 (8DIO, 2AI), Y: Isolated DC power input |
|---|---|

**Mitatek Elektronik Sanayi**
**Mithatpaşa Cad. Prenses Plaza K.3 D.12 Ümraniye/İstanbul/TÜRKİYE**
**+90216 316 11 15 – +90216 521 33 78(fax)**
**www.mitatek.com.tr   mitatek@mitatek.com.tr**