

## MIEN2018-2F

### 18-port 100M rack-mount unmanaged Industrial Ethernet Switch

#### Product description

MIEN2018-2F is an industrial Ethernet switch designed and developed for industrial high-speed communication network applications. The switch is mainly used for simple application of plug and play. All copper ports support auto-negotiation, 10/ 100Mbps full-duplex and half-duplex, Auto-MDI / MDI-X and other functions. Make industrial communication smoother, more reliable, and faster, and meet the needs of customers for continuous innovation to increase value-added applications.



#### Features:

- Support 2 100M fiber ports +16 10/100M copper ports.
- Connect and use, convenient and fast;
- Support indicator status display;
- Support industrial power supply;
- Industrial grade wide temperature design, fanless heat conduction design;
- Meet the application requirements of harsh industrial environments.

## Product specification

### Technical parameters

|                   |                                                                                     |
|-------------------|-------------------------------------------------------------------------------------|
| Protocol Standard | IEEE802.3(Ethernet ), IEEE802.3u (100Base-TX&100Base-FX), IEEE802.3x (Flow Control) |
|-------------------|-------------------------------------------------------------------------------------|

### Switch capability

|                     |         |
|---------------------|---------|
| MAC Table Size      | 8k      |
| Backplane bandwidth | 8.8Gbps |
| Switch Delay        | <5μs    |

### Interface

|                                |                                                                      |
|--------------------------------|----------------------------------------------------------------------|
| 100M port                      | Number: 18                                                           |
|                                | Connector: RJ45 10/100M TX port                                      |
|                                | Baud rate: Self-adaption 10/100Mbase-TX                              |
| Fiber port                     | Number: 2                                                            |
|                                | Interface form: 100Base-TX single-mode or multi-mode fiber interface |
| Terminal block for power input | 5.08mm terminal block                                                |

### Communication distance

|              |                        |
|--------------|------------------------|
| Twisted-pair | 100m(CAT5/CAT5e cable) |
|--------------|------------------------|

### LED indicator lights

|                        |                             |
|------------------------|-----------------------------|
| Front panel LED lights | Port light: LINK/ACT; SPEED |
|                        | System work light: RUN      |
|                        | Power status light: PWR     |

### Power

|                     |                                 |
|---------------------|---------------------------------|
| Input power         | AC/DC220V(85-264VAC/110-370VDC) |
| Power consumption   | <20W@(MAX)                      |
| Overload protection | Support                         |
| Reverse protection  | Support                         |

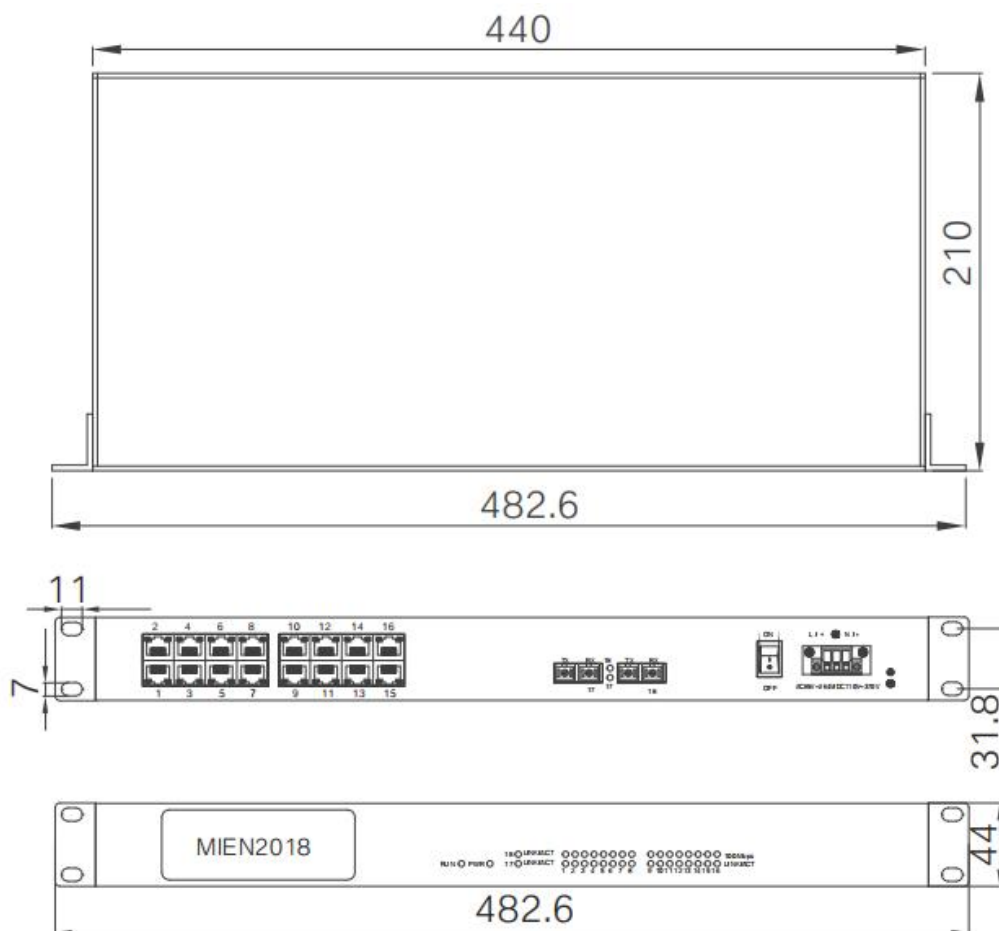
### Working Environment

|                       |            |
|-----------------------|------------|
| Operating Temperature | -40°C~85°C |
| Storage temperature   | -40°C~85°C |
| Ambient Humidity      | 5%~95%     |

### Physical Characteristics

|                          |                                                                                                                                                                       |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Shell                    | IP40 protection, aluminum alloy shell                                                                                                                                 |
| Installation             | Standard 19-inch rack mounting,                                                                                                                                       |
| Dimension                | 482.6mm×44mm×210mm (W×H×D)                                                                                                                                            |
| <b>Industry standard</b> |                                                                                                                                                                       |
| EMC                      | EN61000-4-2(ESD), Level 4<br>EN61000-4-3(RS), Level 4<br>EN61000-4-4(EFT), Level 4<br>EN61000-4-5(Surge), Level 4<br>EN61000-4-6(CS), Level 4<br>EN61000-4-8, Level 5 |
| Impact                   | IEC60068-2-27                                                                                                                                                         |
| Falling                  | IEC60068-2-32                                                                                                                                                         |
| Shock                    | IEC60068-2-6                                                                                                                                                          |
| <b>Warranty</b>          |                                                                                                                                                                       |
| Warranty                 | 5 Years                                                                                                                                                               |
| <b>Certification</b>     |                                                                                                                                                                       |
| Certification            | CE, FCC, RoHS                                                                                                                                                         |

## Dimensional drawing



Rack mount (unit: mm)

### Ordering Information

|                         |                                                                                                                               |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| MIEN2018-2M-SC02-A D220 | 2x100M fiber ports +16x10/100M RJ45 ports,, single AC85-264V/ DC110~370V isolate power supply.Multi-mode, SC connector,2KM.   |
| MIEN2018-2M-ST02-A D220 | 2x100M fiber ports +16x10/100M RJ45 ports,, single AC85-264V/ DC110~370V isolate power supply.Multi-mode, ST connector,2KM.   |
| MIEN2018-2M-FC02-A D220 | 2x100M fiber ports +16x10/100M RJ45 ports,, single AC85-264V/ DC110~370V isolate power supply.Multi-mode, FC connector,2KM.   |
| MIEN2018-2S-SC20-A D220 | 2x100M fiber ports +16x10/100M RJ45 ports,, single AC85-264V/ DC110~370V isolate power supply.Single-mode, SC connector,20KM. |
| MIEN2018-2S-ST20-A D220 | 2x100M fiber ports +16x10/100M RJ45 ports,, single AC85-264V/ DC110~370V isolate power supply.Single-mode, ST connector,20KM. |
| MIEN2018-2S-FC20-A D220 | 2x100M fiber ports +16x10/100M RJ45 ports,, single AC85-264V/ DC110~370V isolate power supply.Single-mode, FC connector,20KM. |