

## MIEN2205

### 5-port 10/100M Din-Rail Layer 2 Unmanaged Industrial Ethernet Switch

#### Product description

MIEN2205 Din-rail unmanaged industrial Ethernet switch supports IEEE 802.3/802.3u/802.3x with 10/100M, full/half-duplex, MDI/MDIX self-adaptive RJ45 ports and 100Base-F(X) ports. MIEN2205 series can be operated at wide temperatures range to harsh industrial environment.



#### Features:

- 5x10/100M RJ45 ports
- Start working once connected, quick and convenient
- Support 10Base-T/100Base-TX self-adaptive, full/half duplex, and MDI/MDIX self-adaptive mode
- Support 6KV lightning protection standard
- Support status display indicator lights
- Industrial grade power supply with anti-reverse/overcurrent/overvoltage/EMC protection
- Satisfy harsh industrial environment

#### Product specification

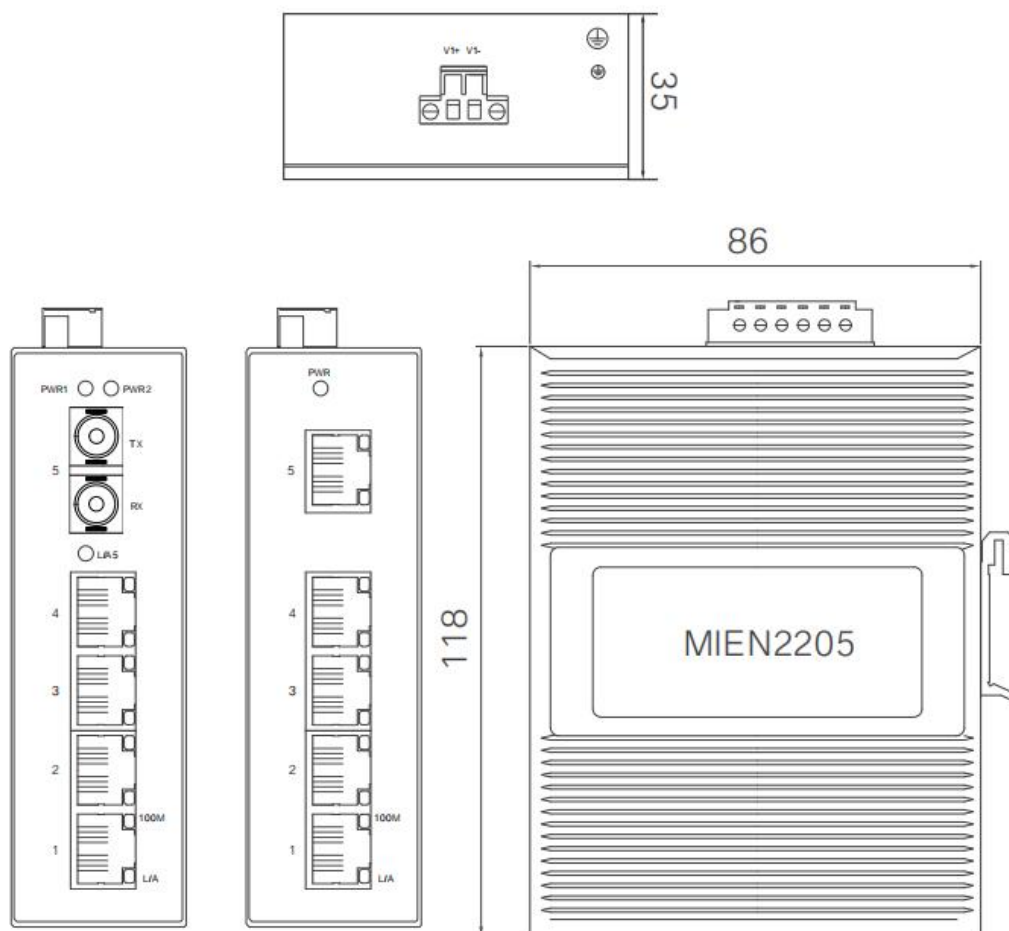
##### Technical Parameters

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|                                 |                                                                                                                                               |
|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Protocol Standard               | IEEE802.3, IEEE802.3u(100Base-TX&100Base-FX), IEEE802.3x(Flow control)                                                                        |
| <b>Switch Capability</b>        |                                                                                                                                               |
| MAC Table Size                  | 2k                                                                                                                                            |
| Switch Latency                  | <5μs                                                                                                                                          |
| Storage and Forward rate        | 148810pps                                                                                                                                     |
| Switch Bandwidth                | 1Gbps                                                                                                                                         |
| <b>Interface</b>                |                                                                                                                                               |
| 100M port                       | Number: 5                                                                                                                                     |
|                                 | Connector:RJ45 100Base-TX port                                                                                                                |
|                                 | Baud rate:auto-negotiation 10/100Base-TX                                                                                                      |
| Terminal block for power input  | 5.08mm terminal block                                                                                                                         |
| <b>Communication Distance</b>   |                                                                                                                                               |
| Twisted-pair                    | 100m(CAT5/CAT5e cable)                                                                                                                        |
| <b>LED Indicator Lights</b>     |                                                                                                                                               |
| Front panel LED lights          | Port light: LINK/ACT; SPEED;                                                                                                                  |
|                                 | Power status light: PWR1/PWR2                                                                                                                 |
| <b>Power</b>                    |                                                                                                                                               |
| Input power                     | DC12~48V                                                                                                                                      |
| Power consumption               | <5W@(MAX)                                                                                                                                     |
| Overload protection             | support                                                                                                                                       |
| Inversed protection             | support                                                                                                                                       |
| <b>Working Environment</b>      |                                                                                                                                               |
| Operating temperature           | -40°C~85°C                                                                                                                                    |
| Storage temperature             | -40°C~85°C                                                                                                                                    |
| Ambient humidity                | 5%~95%                                                                                                                                        |
| <b>Physical Characteristics</b> |                                                                                                                                               |
| Installation                    | Standard 35mm DIN-rail Mounting                                                                                                               |
| Dimension                       | 35.0mm*118.0mm*86.0m                                                                                                                          |
| <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 |

|                 |                      |
|-----------------|----------------------|
|                 | EN61000-4-8, Level 5 |
| Impact          | IEC60068-2-27        |
| Falling         | IEC60068-2-32        |
| Shock           | IEC60068-2-6         |
| <b>Warranty</b> |                      |
| Warranty        | 5 Years              |
| Certification   | CE, RoHS             |

## Dimensional drawing



Din-rail mounting (unit: mm)

## Ordering information

|                       |                                                                                                                     |
|-----------------------|---------------------------------------------------------------------------------------------------------------------|
| MIEN2205              | 5-port 10/100M Tx ports, DC12~48V power supply                                                                      |
| MIEN2205-DC48         | 5-port 10/100M Tx ports, DC36~72V power supply                                                                      |
| MIEN2205-AD220        | 5-port 10/100M Tx ports, AC85-264V/ DC110~370V isolated power supply.                                               |
| MIEN2205-M-SC02       | 1x100M fiber ports +4x10/100M RJ45 ports, redundant DC12~48V power supply,Multi-mode,SC connector, 2KM              |
| MIEN2205-M-ST02       | 1x100M fiber ports +4x10/100M RJ45 ports, redundant DC12~48V power supply,Multi-mode,ST connector, 2KM              |
| MIEN2205-M-FC02       | 1x100M fiber ports +4x10/100M RJ45 ports, redundant DC12~48V power supply,Multi-mode,FC connector, 2KM              |
| MIEN2205-S-SC20       | 1x100M fiber ports +4x10/100M RJ45 ports, redundant DC12~48V power supply,Single-mode,SC connector, 20KM            |
| MIEN2205-S-ST20       | 1x100M fiber ports +4x10/100M RJ45 ports, redundant DC12~48V power supply,Single-mode,ST connector, 20KM            |
| MIEN2205-S-FC20       | 1x100M fiber ports +4x10/100M RJ45 ports, redundant DC12~48V power supply,Single-mode,FC connector, 20KM            |
| MIEN2205-M-SC02-DC48  | 1x100M fiber ports +4x10/100M RJ45 ports, redundant DC36~72V power supply,Multi-mode,SC connector, 2KM              |
| MIEN2205-M-ST02-DC48  | 1x100M fiber ports +4x10/100M RJ45 ports, redundant DC36~72V power supply,Multi-mode,ST connector, 2KM              |
| MIEN2205-M-FC02-DC48  | 1x100M fiber ports +4x10/100M RJ45 ports, redundant DC36~72V power supply,Multi-mode,FC connector, 2KM              |
| MIEN2205-S-SC20-DC48  | 1x100M fiber ports +4x10/100M RJ45 ports, redundant DC36~72V power supply,Single-mode,SC connector, 20KM            |
| MIEN2205-S-ST20-DC48  | 1x100M fiber ports +4x10/100M RJ45 ports, redundant DC36~72V power supply,Single-mode,ST connector, 20KM            |
| MIEN2205-S-FC20-DC48  | 1x100M fiber ports +4x10/100M RJ45 ports, redundant DC36~72V power supply,Single-mode,FC connector, 20KM            |
| MIEN2205-M-SC02-AD220 | 1x100M fiber ports +4x10/100M RJ45 ports, AC85-264V/DC110~370V isolated power supply,Multi-mode,SC connector, 2KM   |
| MIEN2205-M-ST02-AD220 | 1x100M fiber ports +4x10/100M RJ45 ports,AC85-264V/DC110~370V isolated power supply,Multi-mode,ST connector, 2KM    |
| MIEN2205-M-FC02-AD220 | 1x100M fiber ports +4x10/100M RJ45 ports, AC85-264V/DC110~370V isolated power supply,Multi-mode,FC connector, 2KM   |
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