



- 1x Gigabit Ethernet port
- 1x 100/1000F(x) SFP Slot, support either Multi-Mode or Single-Mode
- SFP speed selectable
- Link fail pass-through function
- Built for harsh environments and wide temperature range application
- IP30 housing
- DIN-Rail Mounting, Optional Wall Mounting



## Specifications

### Technology

|                  |                          |
|------------------|--------------------------|
| <b>Standards</b> | IEEE 802.3 10BaseT       |
|                  | IEEE 802.3u 100BaseTX    |
|                  | IEEE 802.3ab 1000BaseT   |
|                  | IEEE 802.3z 1000BaseX    |
|                  | IEEE 802.3x Flow Control |

|                        |                   |
|------------------------|-------------------|
| <b>Processing Type</b> | Store and forward |
|------------------------|-------------------|

### Interface

|                  |  |
|------------------|--|
| <b>RJ45 Port</b> | 1x 10/100/1000T(x), auto negotiation speed duplex mode, auto MDI/MDI-X |
|------------------|--|

|                   |                          |
|-------------------|--------------------------|
| <b>Fiber Port</b> | 1x 100/1000F(x) SFP Slot |
|-------------------|--------------------------|

|                   |  |
|-------------------|--|
| <b>DIP Switch</b> | Speed: Select SFP 100M or 1000M<br>LFP: Link Fail Pass-through |
|-------------------|--|

|                       |  |
|-----------------------|--|
| <b>LED Indicators</b> | <b>Per unit:</b> PWR1, PWR2  |
|                       | <b>Port:</b> TP –Link/Active with highest speed(Green), low speed(Amber)<br>Fiber – Link (Green) |

### Power Requirements

|                          |                                 |
|--------------------------|---------------------------------|
| <b>Operation Voltage</b> | 12-48VDC, redundant dual inputs |
|--------------------------|---------------------------------|

|                   |                                       |
|-------------------|---------------------------------------|
| <b>Connection</b> | 1x removable 4-contact terminal block |
|-------------------|---------------------------------------|

|                          |             |
|--------------------------|-------------|
| <b>Power Consumption</b> | 0.08A@24VDC |
|--------------------------|-------------|

|                   |  |
|-------------------|--|
| <b>Protection</b> | Overload Current Protected, Reverse Polarity Protected |
|-------------------|--|

### Mechanical Construction

|                  |      |
|------------------|------|
| <b>Enclosure</b> | SECC |
|------------------|------|

|                         |      |
|-------------------------|------|
| <b>Protection Class</b> | IP30 |
|-------------------------|------|

|                   |                      |
|-------------------|----------------------|
| <b>Dimensions</b> | 29x140x98 mm (WxHxD) |
|-------------------|----------------------|

|               |        |
|---------------|--------|
| <b>Weight</b> | 0.6 kg |
|---------------|--------|

|                 |                   |
|-----------------|-------------------|
| <b>Mounting</b> | DIN-Rail Mounting |
|-----------------|-------------------|

### Environmental Limits

|                              |                              |
|------------------------------|------------------------------|
| <b>Operating Temperature</b> | -40°C ~ 75°C (-40°F ~ 167°F) |
|------------------------------|------------------------------|

|                            |              |
|----------------------------|--------------|
| <b>Storage Temperature</b> | -40°C ~ 85°C |
|----------------------------|--------------|

|                                  |                            |
|----------------------------------|----------------------------|
| <b>Ambient Relative Humidity</b> | 5 to 95%, (Non-Condensing) |
|----------------------------------|----------------------------|

### Regulatory Approvals

|            |  |
|------------|--|
| <b>EMI</b> | FCC Part 15 Subpart B Class A<br>CE EN 55032 Class A |
|------------|--|

|            |  |
|------------|--|
| <b>EMS</b> | IEC61000-4-2 (ESD)                                 |
|            | IEC61000-4-3 (RS)                                  |
|            | IEC61000-4-4 (EFT)                                 |
|            | IEC61000-4-5 (Surge)                               |
|            | IEC61000-4-6 (CS)<br>IEC61000-4-8 (Magnetic Field) |

|                  |               |
|------------------|---------------|
| <b>Free Fall</b> | IEC60068-2-32 |
|------------------|---------------|

|              |               |
|--------------|---------------|
| <b>Shock</b> | IEC60068-2-27 |
|--------------|---------------|

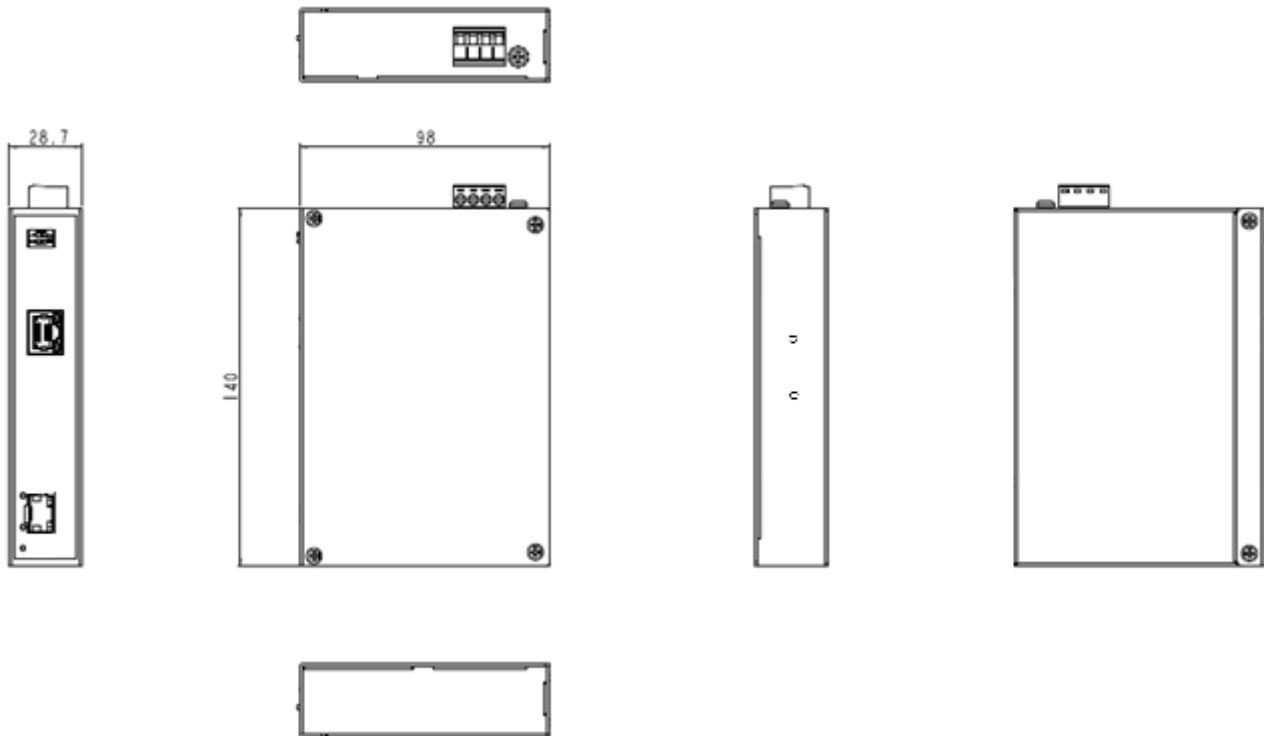
|                  |              |
|------------------|--------------|
| <b>Vibration</b> | IEC60068-2-6 |
|------------------|--------------|

|                       |                                |
|-----------------------|--------------------------------|
| <b>Green</b>          | RoHS Compliant                 |
| <b>Certifications</b> | IEC 61000-6-2<br>IEC 61000-6-4 |

|                 |                |
|-----------------|----------------|
| <b>MTBF</b>     | >100,000 hours |
| <b>Warranty</b> | 5 Years        |

Features with star(\*) implies those are under development.  
In a continuing effort of improvement and updated technology, product specifications are subject to change without notice.

## Dimensions (unit = mm)



## Ordering Information

|                  |  |
|------------------|--|
| <b>IM-0101GD</b> | Industrial Media Converter<br>- 1x 10/100/1000T(x) + 1x 100/1000F(x) SFP Slot<br>- Operating Temperature: -40°C ~ 75°C (-40°F ~ 167°F) |
|------------------|--|

## Optional Accessories

|                  |  |
|------------------|--|
| <b>NDR-75-24</b> | 75W Industrial DIN-Rail Power Supply, 24VDC (metal case) |
| <b>NDR-75-48</b> | 75W Industrial DIN-Rail Power Supply, 48VDC (metal case) |