

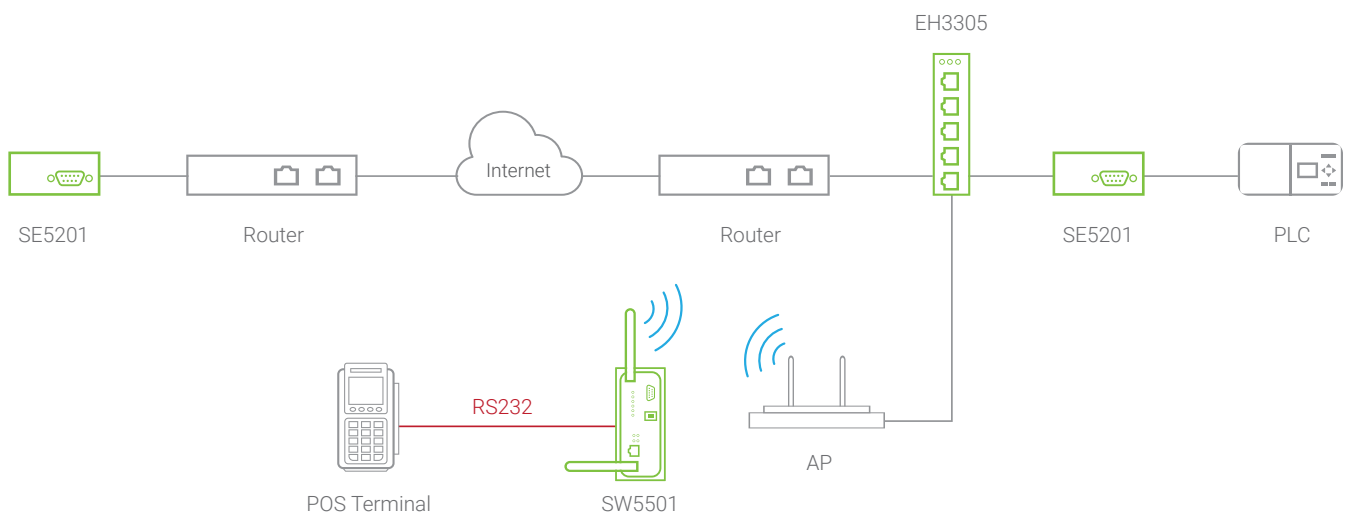


### FEATURE HIGHLIGHTS

- 5 x 10/100 BaseT(X) RJ45 port
- Broadcast storm protection
- Support IEEE802.3/802.3u/802.3x
- Support 802.1q/p for VLAN tagging and class of service
- Auto MDI/MDI-X
- Redundant DC power inputs
- Operation temperature from -40 to 70°C
- DIN-Rail mounting
- Slim type, SPCC housing

### PRODUCT DESCRIPTION

EH3305 with 5 RJ-45 ports for your industrial applications. It designs to work in the industrial environment, such as in hazardous locations that comply with CE, FCC and UL standards. The slim design is useful for the application with limited cabinet space. EH3305 provides two redundant power inputs that can be connected simultaneously to wide-range DC power sources. If one of the power inputs failure, the other live source acts as a backup to provide the EH3305 power needs automatically.



## SPECIFICATIONS

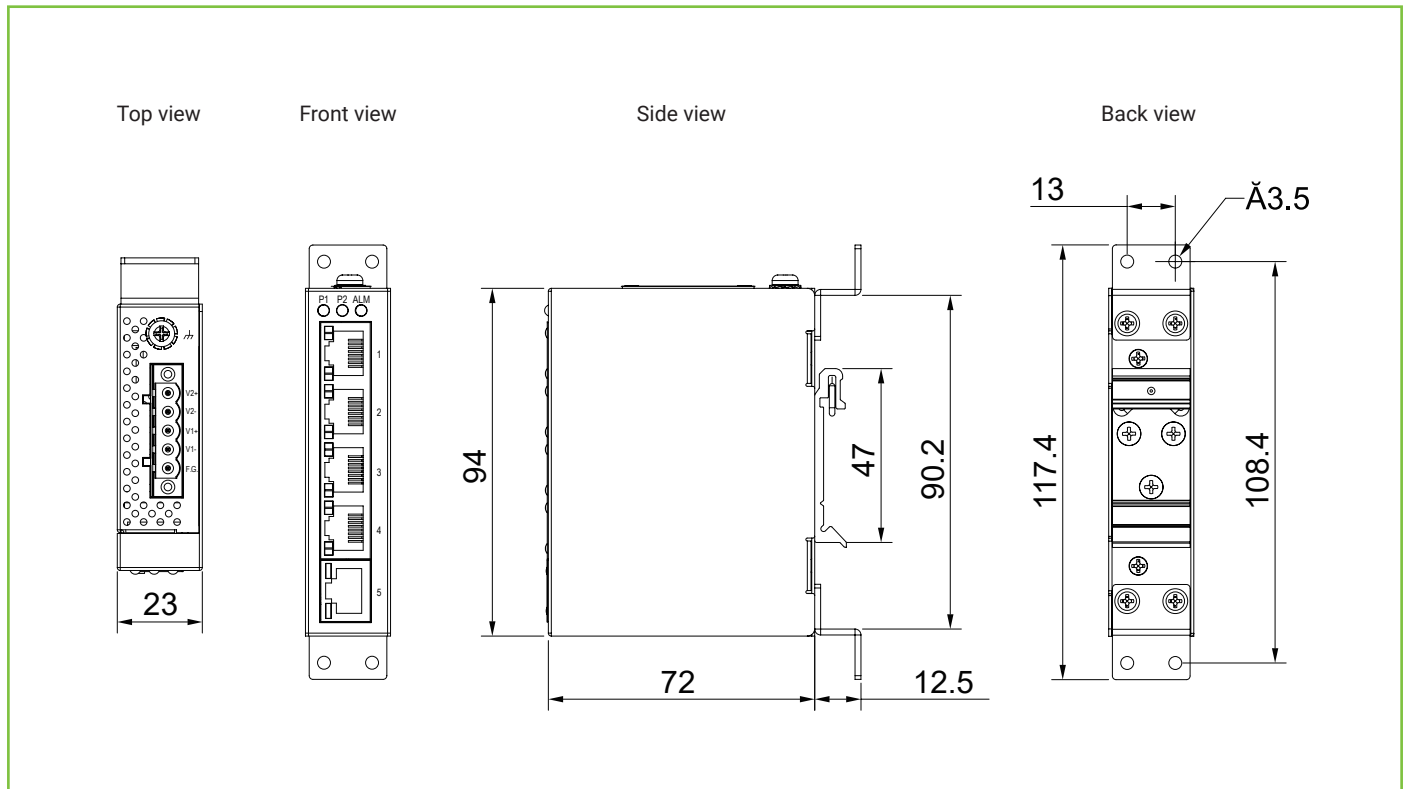
| Technical Specifications    |   |
|-----------------------------|---|
| Model Name                  | EH3305  |
| Switch Properties           |   |
| Processing Scheme           | Store-and-Forward   |
| MAC Table Size              | 1K  |
| Packet Buffer               | 448Kb   |
| Ethernet                    |   |
| Compliance                  | IEEE 802.3 for 10Base-T<br>IEEE 802.3u for 100Base-T(X) and 100Base-FX<br>IEEE 802.3x for Flow Control, back pressure flow control<br>IEEE 802.1q/p for VLAN Tagging and Class of Service<br>IEEE 802.3az for Energy Efficient Ethernet |
| Auto MDI/MDI-X              | Yes   |
| Power                       |   |
| Dual Input Voltage          | 12 - 48 VDC   |
| Input Current               | TBD   |
| Power Consumption           | TBD   |
| Reverse Polarity Protection | Present   |
| Connection                  | Lockable 5-pin terminal blocks for power input  |
| LED                         |   |
| Indicators                  | PWR1, PWR2, Alarm, ALM, LAN   |
| Physical Characteristics    |   |
| Housing                     | IP30 protection, SPCC, Black  |
| Dimension (W x H x D)       | Slim type, 23mm x 94mm x 72mm   |
| Weight                      | TBD   |
| Installation                | DIN-Rail mounting   |
| Environmental Limits        |   |
| Operating Temperature       | -40 to 70°C (-40°F to 158°F)  |
| Storage Temperature         | -40 to 85°C (-40°F to 185°F)  |
| Ambient Relative Humidity   | 5 to 95%, 55°C (non-condensing)   |

## REGULATORY APPROVALS

| Regulatory Approvals |   |
|----------------------|---|
| Safety               | UL/IEC 62368-1, UL/IEC(CB) 60950-1  |
| FCC(EMI)             | FCC Part 15, Subpart B, Class A   |
| CE(EMI)              | EN 55032:2013<br>EN 61000-3-2: 2014, Class A<br>EN 61000-3-3: 2013<br>EN 61000-6-4: 2007 + A1: 2011 |
| CE(EMS)              | EN 55024: 2010 + A1:2015<br>EN 61000-6-2: 2005 + AC: 2005   |

| Test           | Version  | Item  | Value             | Level               | Criterion |   |
|----------------|--|-------|-------------------|---------------------|-----------|---|
| IEC 61000-4-2  | 2008   | ESD   | Contact Discharge | ±6KV                | 3         | B |
|                |  |       | Air Discharge     | ±8KV                | 3         | B |
| IEC 61000-4-3  | 2010   | RS    | 80-1000MHz        | 10 (V/m)            | 3         | A |
| IEC 61000-4-4  | 2012   | EFT   | DC Power Port     | ±2.0KV              | 3         | B |
|                |  |       | LAN Port          | ±2.0KV              | 4         | B |
| IEC 61000-4-5  | 2014   | Surge | DC Power Port     | Line-to Line±0.5KV  | 3         | B |
|                |  |       | DC Power Port     | Line-to Earth±0.5KV | 3         | B |
|                |  |       | LAN Port          | Line-to Earth±2.0KV | 3         | B |
| IEC 61000-4-6  | 2013   | CS    | 0.15-80MHz        | 10 Vrms             | 3         | A |
| IEC 61000-4-8  | 2009   | PFMF  | Enclosure         | AC 50Hz 10A/m       | 3         | A |
| IEC 61000-4-11 | 2004   | DIP   | AC Power Port     | -                   | -         | - |
| Shock          | IEC 60068-2-27   |       |                   |                     |           |   |
| Drop           | IEC 60068-2-32   |       |                   |                     |           |   |
| Vibration      | IEC 60068-2-6  |       |                   |                     |           |   |
| Noise Immunity | Simulator noise 500 Vp-p, noise width: 1 μs by noise simulator of 25 to 60 Hz in noise frequency |       |                   |                     |           |   |
| RoHS           | YES  |       |                   |                     |           |   |
| MTBF           | 20 years (TBD)   |       |                   |                     |           |   |
| Warranty       | 5 Years  |       |                   |                     |           |   |

## DIMENSIONS & LAYOUT



## ORDERING INFORMATION

### Ordering information

| Model name | Part Number     | Enclosure | RJ45 ports |
|------------|-----------------|-----------|------------|
| EH3305     | 1P1EH330500001G | Metal     | 5          |

### Optional Accessories

| Model name | Part Number     | Description  |
|------------|-----------------|--|
| SDR-75-24  | 50500752240001G | 75W/3.2A DIN-Rail 24VDC power supply with universal 88~264VAC / 124~370VDC input |