

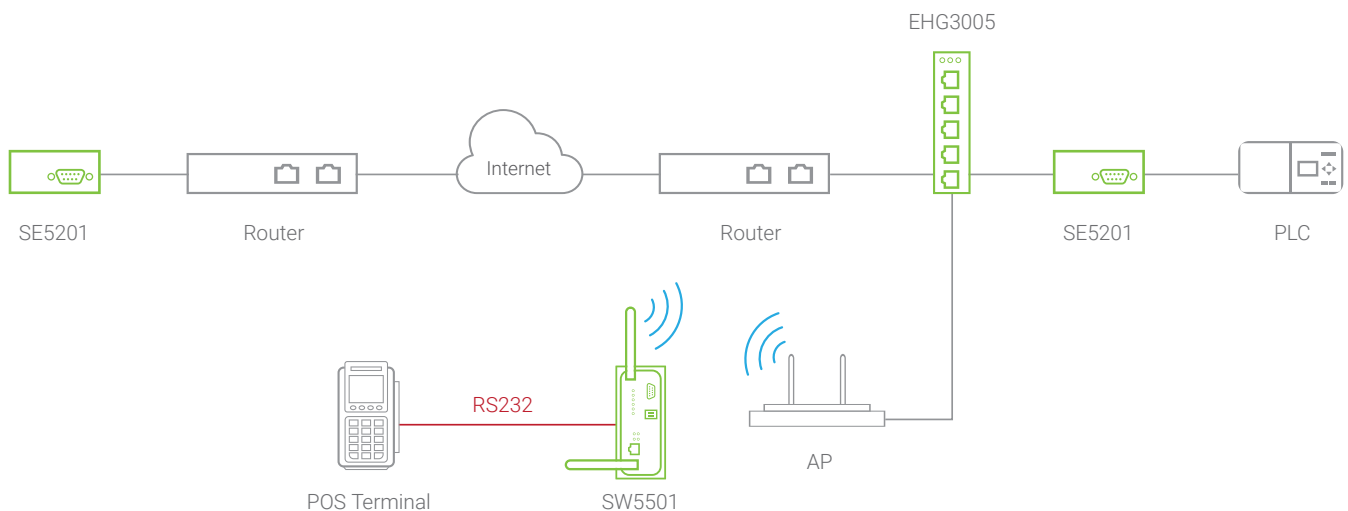


FEATURE HIGHLIGHTS

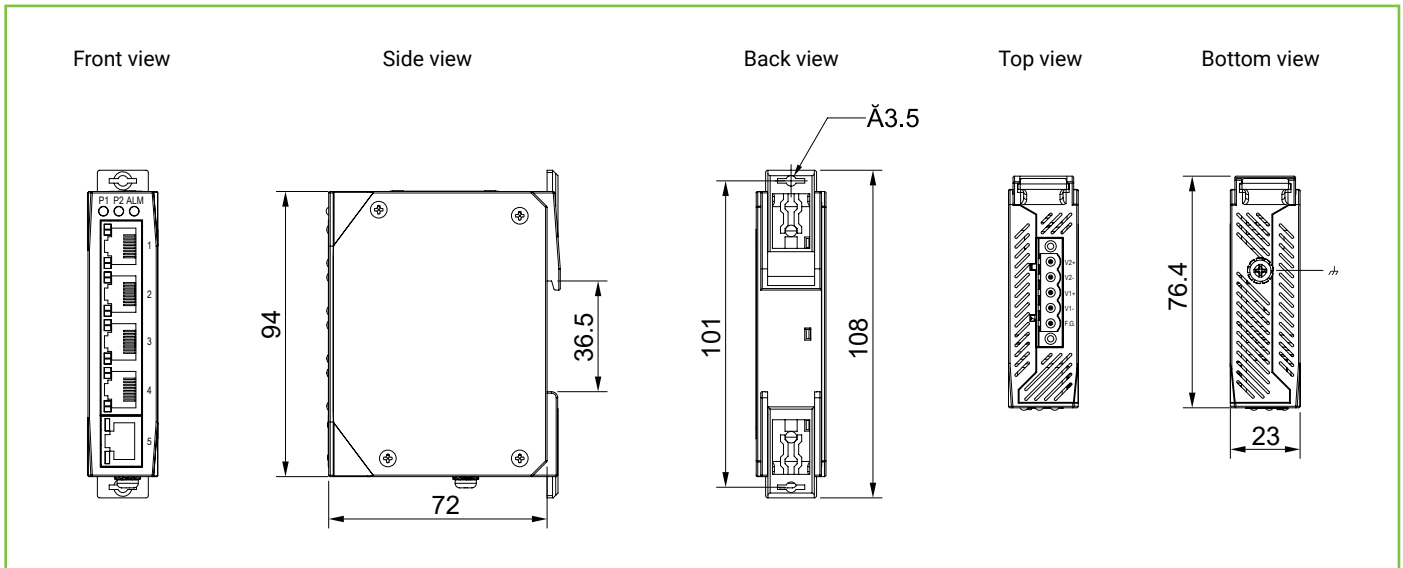
- 5 x 10/100/1000 Base-T(X) RJ45
- Support 10K Jumbo frames
- Support 802.3z Energy Efficient Ethernet for power savings
- Redundant DC power input
- Operation temperature from 0 °C to 60 °C
- DIN-Rail mounting
- Slim type, plastic housing

PRODUCT DESCRIPTION

EHG3005 is a slim, entry-level unmanaged switch with 5 RJ-45 ports and strict QoS packet prioritization according to 802.1p. Designed for industrial and especially for hazardous locations, it fits into small spaces in cabinets or between walls, and complies with CE, FCC and UL standards, while featuring polycarbonate housing for cost efficiency. Redundant power inputs allow simultaneous connection to wide-range DC power sources, so in case one of the power inputs fail, the other live source automatically acts as a backup to provide power.



DIMENSIONS & LAYOUT



SPECIFICATIONS

| Technical Specifications | |
|-----------------------------|---|
| Model Name | EHG3005 |
| Switch Properties | |
| Processing Scheme | Store-and-Forward |
| MAC Table Size | 8K |
| Packet Buffer | 1Mb |
| Jumbo Frame | 10K Bytes |
| Ethernet | |
| Compliance | IEEE 802.3 for 10Base-T IEEE 802.3u for 100Base-T(X) IEEE 802.3ab for 1000Base-T IEEE 802.3z for 1000Base-X IEEE 802.3x for Flow Control, back pressure flow control IEEE 802.1q/p for VLAN Tagging and Class of Service IEEE 802.3az for Energy Efficient Ethernet |
| Auto MDI/MDI-X | Yes |
| Power | |
| Dual Input Voltage | 12 - 48 VDC |
| Input Current | 0.5 A max. |
| Power Consumption | 6 W max. |
| 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, Plastic, Black |
| Dimension (W x H x D) | Slim type, 23mm x 94mm x 72mm |
| Weight | TBD |
| Installation | DIN-Rail mounting |
| Environmental Limits | |
| Operating Temperature | 0°C to 60°C (32°F to 140°F) |
| Storage Temperature | -20°C to 70°C (-4°F to 158°F) |
| Ambient Relative Humidity | 5 to 95%, 55°C (non-condensing) |

REGULATORY APPROVALS

| Regulatory Approvals | |
|----------------------|---|
| Safety | UL/IEC 62368-1 |
| FCC(EMI) | FCC Part 15, Subpart B, Class A |
| CE(EMI) | EN 55032:2015/AC:2016 EN 61000-3-2: 2014, Class A EN 61000-3-3: 2013 EN 61000-6-4: 2007 + A1: 2011 |
| CE(EMS) | EN 55024: 2010 + A1:2015 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 30A/m | 4 | A |
| Noise Immunity | Simulator noise 500 Vp-p, noise width: 1 µs by noise simulator of 25 to 60 Hz in noise frequency (TBD) | | | | | |
| RoHS | YES | | | | | |
| MTBF | 20 years (TBD) | | | | | |
| Warranty | 5 Years | | | | | |

ORDERING INFORMATION

Ordering information

| Model name | Part Number | Enclosure | RJ45 ports |
|------------|-----------------|-----------|------------|
| EHG3005 | 1P1EHG30050001G | Plastic | 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 |