



Ethernet switch unmanaged PoE gigabit

ICRL-U-4RJ45/SFP-PoE-G-DIN

- Four - Gigabit RJ45 PoE ports and one Gigabit SFP slot
- Rugged housing for use in harsh environments
- 9K bytes jumbo frame for large file transfers
- Power event alarm
- Redundant power input 44-57V DC
- Extended temperature range -40 to +75 °C
- Suitable for PROFINET IO and EtherNet/IP

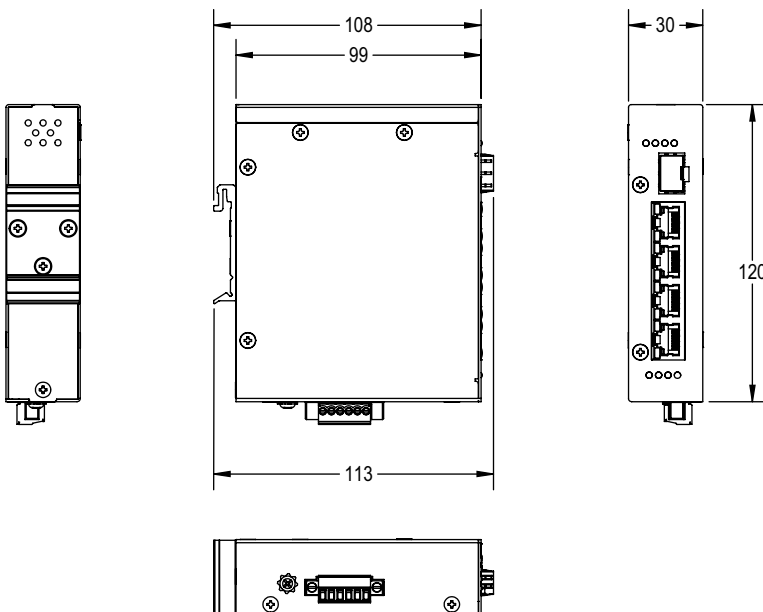
Ethernet unmanaged PoE switch with 4 RJ45 gigabit ports, one gigabit SFP slot and fault alarm



Function

The RocketLinx ICRL-U-4RJ45/SFP-PoE-G-DIN is a 5-port unmanaged Power over Ethernet switch designed for use in industrial applications. Four 802.3at compliant Gigabit ports each provide up to 25.5 W of power to an attached PoE device. A Gigabit SFP slot provides a modular fiber optic interface to connect attached devices to the rest of the network. The passively cooled design ensures long-term reliability while providing 112 W of power to attached PoE devices in environments ranging in temperature from -40 to +75°C.

Dimensions



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Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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Technical Data

| | | |
|---|----------------|--|
| General specifications | | |
| UL File Number | | E185778 |
| Functional safety related parameters | | |
| MTBF | | 45.3 a |
| Ethernet Interface | | |
| Connection type | | RJ45, SFP |
| Auto-MDI(-X) | | yes |
| Autonegotiation | | yes |
| Transfer rate | | 4 - 10BASE-T, 100BASE-TX, 1000BASE-T 10/100/1000 Mbps 1 - 100BASE-FX, 1000BASE-FX 100/1000 Mbps |
| Cable type | | Category 5e or better |
| PoE features | | |
| Type | | PoE output Mode: Alternative A |
| Max. total power | | 112 W @ 52 V |
| Standards | | |
| IEEE 802.3 10BASE-T | | yes |
| IEEE 802.3u 100BASE-TX | | yes |
| IEEE 802.3x Flow Control and Back-pressure | | yes |
| IEEE 802.3ab 1000BASE-T | | yes |
| IEEE802.3af Power over Ethernet (PoE) | | yes |
| IEEE802.3at Power over Ethernet (PoE) Plus | | yes |
| Indicators/operating means | | |
| LED indication | | see manual |
| Electrical specifications | | |
| Rated operating voltage | U _e | 44 ... 57 V DC |
| Power consumption | | 3.6 W @ 60 V DC |
| General information | | Redundant power, polarity reverse protection, power fault alarm, relay output rating 1 A Max. @ 24 V DC |
| Nominal voltage | | 48 V , 60 V |
| Inputs/Outputs | | |
| Number/Type | | 4 x RJ45 , 1 x SFP |
| Directive conformity | | |
| Electromagnetic compatibility | | |
| Directive 2014/30/EU | | EN 50121-1:2017 , EN 50121-4:2016 , EN 55032:2015 , EN 55032/A11:2020 , EN 55035:2017/A11:2020 , EN 61000-6-2:2005 , EN 61000-6-4:2007 + A1:2011 |
| RoHS | | |
| Directive 2011/65/EU (RoHS) | | EN IEC 63000:2018 |
| Standard conformity | | |
| Electromagnetic compatibility | | EN 50121-4 |
| Electrical safety | | CSA C22.2 No. 60950 / CSA C22.2 No. 60950/UL60950 |
| Emitted interference | | EN 55032, FCC Part 15 Subpart B, ICES-003, AS/NZS CISPR 32 |
| Noise immunity | | EN 55032, EN61000-6-2 |
| Ambient conditions | | |
| Ambient temperature | | -40 ... 75 °C (-40 ... 167 °F) |
| Storage temperature | | -40 ... 85 °C (-40 ... 185 °F) |
| Relative humidity | | max. 95 % |
| Altitude | | 0 ... 3048 m |
| Mechanical specifications | | |
| Housing length | | 99 mm |
| Housing width | | 30 mm |
| Housing height | | 120 mm |
| Degree of protection | | IP30 |

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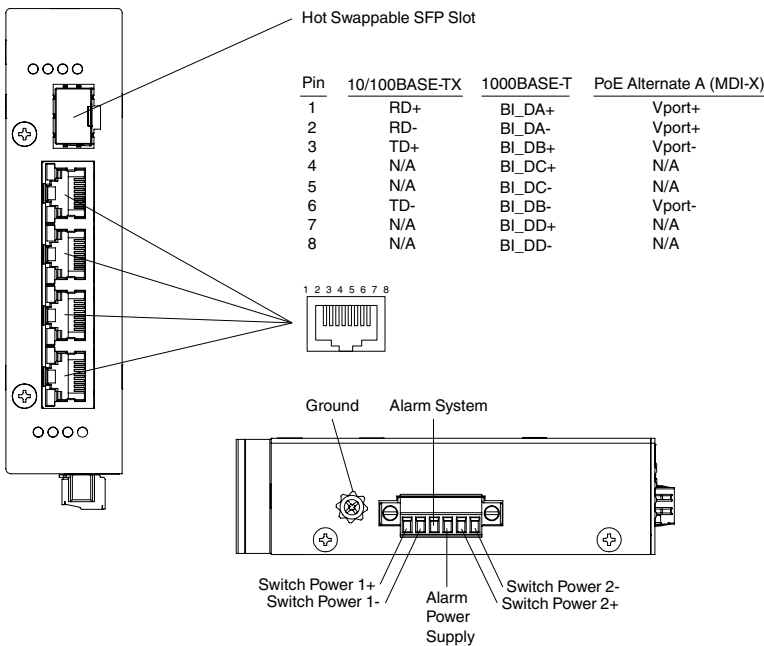
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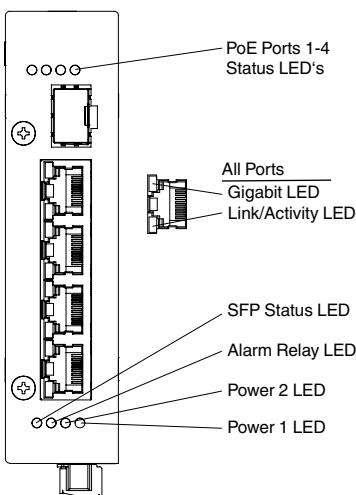
Technical Data

| | |
|-------------------|--|
| Connection | Power Supply Terminal Block Ethernet 4 x RJ45 , 1 x SFP |
| Material | |
| Housing | Aluminum |
| Mass | 650 g |
| Construction type | Cabinet module |
| Mounting | DIN rail or direct panel mounting |

Connection



Indication























Accessories

| | | |
|--|------------------------------|--|
| | V45-G-C5-GN1M-PUR-E1S | Ethernet bus cable male cordset single-ended RJ45, 4-pin, PUR cable green, Cat5e, shielded, UL approved, drag chain suitable |
| | V45-G-C5-GN3M-PUR-E1S | Ethernet bus cable male cordset single-ended RJ45, 4-pin, PUR cable green, Cat5e, shielded, UL approved, drag chain suitable |

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Accessories


| | | |
|---|-------------------------------------|--|
|  | V45-G-C5-GN10M-PUR-E1S | Ethernet bus cable male cordset single-ended RJ45, 4-pin, PUR cable green, Cat5e, shielded, UL approved, drag chain suitable |
|  | V45-G-C5-GN1M-PUR-E1S-V45-G | Ethernet bus cable RJ45 to RJ45 PROFINET-coded, 4-pin, PUR cable green, Cat5e, shielded, UL approved, drag chain suitable |
|  | V45-G-C5-GN3M-PUR-E1S-V45-G | Ethernet bus cable RJ45 to RJ45 PROFINET-coded, 4-pin, PUR cable green, Cat5e, shielded, UL approved, drag chain suitable |
|  | V45-G-C5-GN10M-PUR-E1S-V45-G | Ethernet bus cable RJ45 to RJ45 PROFINET-coded, 4-pin, PUR cable green, Cat5e, shielded, UL approved, drag chain suitable |
|  | V45-G-C5-GN20M-PUR-E1S-V45-G | Ethernet bus cable RJ45 to RJ45 PROFINET-coded, 4-pin, PUR cable green, Cat5e, shielded, UL approved, drag chain suitable |
|  | SFP-M-550M-G-N | Multi-mode 550m 1000BASE-SX Gigabit Ethernet Fiber SFP |
|  | SFP-M-550M-G-W | Multi-mode 550m 1000BASE-SX Gigabit Ethernet Fiber SFP |
|  | SFP-S-10KM-G-N | Single-mode 10KM 1000BASE-LX Gigabit Ethernet Fiber SFP |
|  | SFP-S-10KM-G-W | Single-mode 10KM 1000BASE-LX Gigabit Ethernet Fiber SFP |
|  | SFP-S-10KM-G-W-BIDI-A | Single-mode BiDi-A 10KM 1000BASE-LX Gigabit Ethernet Fiber SFP |
|  | SFP-S-10KM-G-W-BIDI-B | Single-mode BiDi-B 10KM 1000BASE-LX Gigabit Ethernet Fiber SFP |
|  | SFP-S-110KM-G-W | Single-mode 110KM 1000BASE-UZX Gigabit Ethernet Fiber SFP |
|  | SFP-S-20KM-G-W | Single-mode 20KM 1000BASE-LX Gigabit Ethernet Fiber SFP |
|  | SFP-S-20KM-G-W-BIDI-A | Single-mode BiDi-A 20KM 1000BASE-LX Gigabit Ethernet Fiber SFP |
|  | SFP-S-20KM-G-W-BIDI-B | Single-mode BiDi-B 20KM 1000BASE-LX Gigabit Ethernet Fiber SFP |
|  | SFP-S-30KM-G-W | Single-mode 30KM 1000BASE-LX Gigabit Ethernet Fiber SFP |
|  | SFP-S-40KM-G-W | Single-mode 40KM 1000BASE-EX Gigabit Ethernet Fiber SFP |
|  | SFP-S-50KM-G-W | Single-mode 50KM 1000BASE-XD Gigabit Ethernet Fiber SFP |
|  | SFP-S-70KM-G-W | Single-mode 70KM 1000BASE-LX Gigabit Ethernet Fiber SFP |
|  | SFP-S-90KM-G-W | Single-mode 90KM 1000BASE-ZX Gigabit Ethernet Fiber SFP |

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Accessories

| | | |
|---|----------------------|--|
|  | SFP-M-2KM-G-W | Multi-mode 2KM 100BASE-LX Gigabit Ethernet Fiber SFP |
|---|----------------------|--|

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