



Ethernet switch unmanaged PoE voltage-boost switch

ICRL-U-10RJ45-PoE-B-DIN

- Industrial PoE IEEE 802.3af compliant unmanaged switch
- Eight 10/100BASE-TX PoE ports and two Gigabit uplink ports
- Total output power budget of 80W (15.4W maximum on each port)
- Voltage boost technology that supports 8 - 32V DC power input sources for transportation, security and industrial applications
- QoS support for optimizing video and VoIP stream
- Alarm relay for failure and event notification
- Extended operating temperature range (-40 to +70 °C)
- Suitable for PROFINET IO and EtherNet/IP

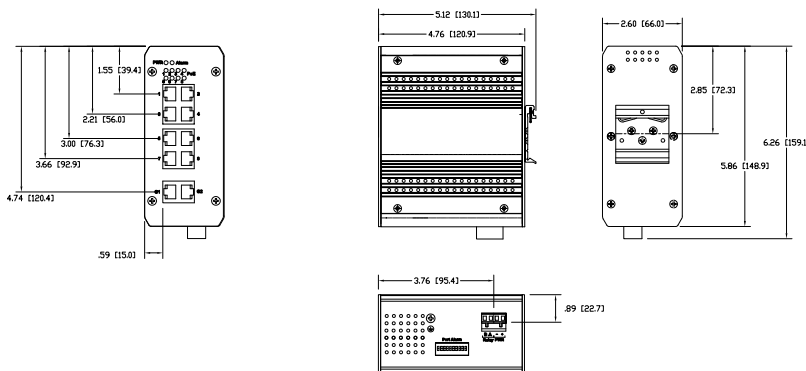
RocketLinux ICRL-U-10RJ45-PoE-B-DIN



Function

The RocketLinux ICRL-U-10RJ45-PoE-B-DIN is a 10-port unmanaged Power over Ethernet switch designed for use in vehicular and industrial applications. Featuring voltage boost technology it boosts an input voltage of 8 to 32 VDC to 48 VDC on each of its eight 802.3af compliant 10/100 Mbps PoE ports. Two 1 Gbps ports connect attached PoE devices to the rest of the network without risk of traffic congestion. The passively cooled design ensures long-term reliability while providing 80 W of power to attached PoE devices in environments ranging in temperature from -25 to +60°C.

Dimensions



Technical Data

General specifications	
UL File Number	E185778
Functional safety related parameters	
MTBF	22.8 a
Ethernet Interface	
Connection type	RJ45
Auto-MDI(-X)	yes
Autonegotiation	yes
Transfer rate	8 - 10BASE-T, 100BASE-TX 10/100 Mbps 2 - 10BASE-T, 100BASE-TX, 1000BASE-T 10/100/1000 Mbps
Cable type	Category 5e or better
PoE features	

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

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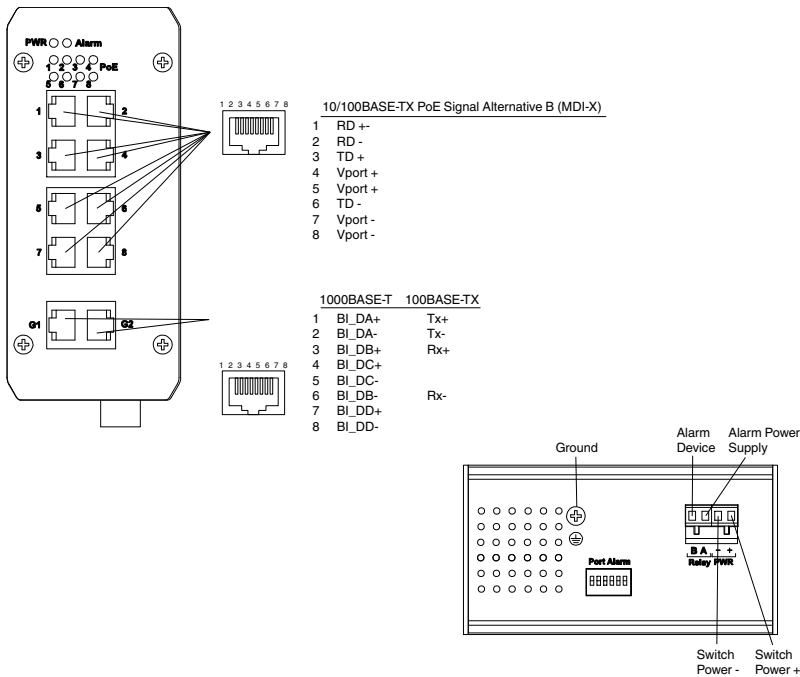
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Technical Data

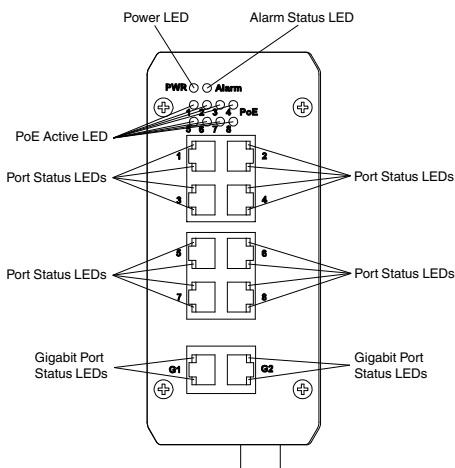
Type	PoE output Mode: Alternative B	
Max. total power		80 W
Standards		
IEEE 802.3 10BASE-T		yes
IEEE 802.3u 100BASE-TX		yes
IEEE 802.3x Flow Control and Back-pressure		yes
IEEE 802.1p Class of Service (CoS)		yes
IEEE 802.3ab 1000BASE-T		yes
IEEE802.3af Power over Ethernet (PoE)		yes
Indicators/operating means		
LED indication		see manual
Electrical specifications		
Rated operating voltage	U _e	8 ... 32 V DC
Power consumption		15 W max. 24 V without PD loading
General information		Digital output (relay output) rating 1 A Max. @ 24 V DC, Digital input
Nominal voltage		12 V , 24 V
Inputs/Outputs		
Number/Type		8 x RJ45 (Fast Ethernet) 2 x RJ45 (Gigabit)
Directive conformity		
Electromagnetic compatibility		
Directive 2014/30/EU		EN 55032:2015 , EN 55032/A11:2020 , EN 55035:2017/A11:2020 , EN 61000-6-2:2005 , EN 61000-6-4:2007 , EN 61000-6-4/A1:2011-02
RoHS		
Directive 2011/65/EU (RoHS)		EN IEC 63000:2018
Standard conformity		
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
Ambient conditions		
Ambient temperature		-40 ... 70 °C (-40 ... 158 °F)
Storage temperature		-40 ... 80 °C (-40 ... 176 °F)
Relative humidity		max. 95 %
Altitude		0 ... 3048 m
Mechanical specifications		
Housing length		149 mm
Housing width		66 mm
Housing height		131.2 mm with DIN rail clip
Degree of protection		IP30
Connection		Power Supply Terminal Block (4-pin) Etherneer 10 x RJ45
Material		
Housing		Aluminum
Mass		1.05 kg
Construction type		Cabinet module
Mounting		DIN rail or direct panel mounting

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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
	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

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Accessories

	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
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