

KSWITCH D1 UGP PoE INJECTORS



Kontron Gigabit Ethernet KSwitch D1 UGP PoE Injector Series

- ▶ 2-port Industrial DIN-Rail Gigabit PoE/PoE+ injector
- ▶ IEEE 802.3af/at PoE support up to 60 W
- ▶ Wide range, dual input DC power supply, AC version available
- ▶ Industrial grade, highly reliable, long-term available

POSSIBILITIES START HERE

KSWITCH D1 UGP SWITCH SERIES

The KSwitch D1 UGP Series includes high power, Gigabit Ethernet industrial PoE injectors in a ruggedized design, which meet IEEE 802.3af/at standard with up to 15.4/30/60 Watts output. The KSwitch D1 UGP series can easily be used in factory production

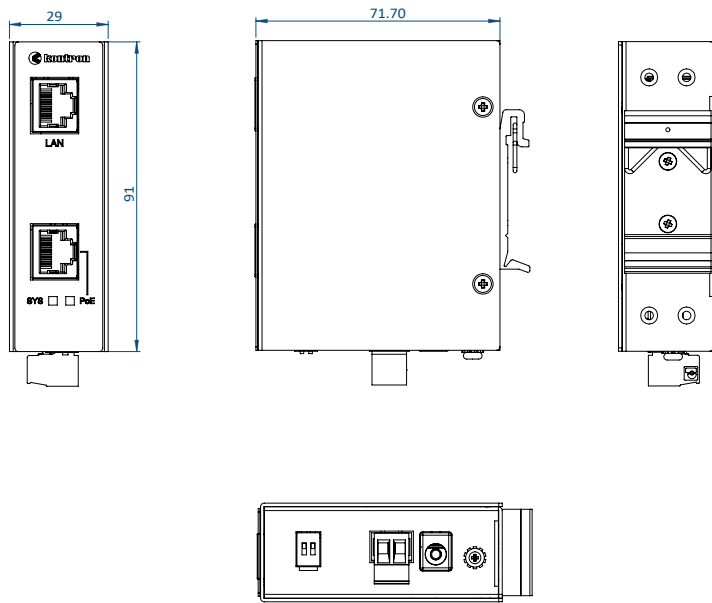
lines, embedded into machine systems or applied for any PoE network expansion. The KSwitch D1 UGP series is the perfect solution for all applications where PoE support is required.

► TECHNICAL INFORMATION

		KSWITCH D1 UGP
PORTS	PORT TYPE ETHERNET COMPLIANCE	Shielded RJ45 IEEE 802.3, 802.3u, for 10/100 Ethernet IEEE 802.3ab for Gigabit Ethernet IEEE 802.3af or 802.3at for PoE
	AUTO-CROSSOVER AUTO-SENSING OPERATION AUTO-NEGOTIATION SPEED CABLE REQUIREMENTS CABLE LENGTH	MDI / MDIX full and half duplex Yes, 10/100/1000 Mbps Cat5e or better 100 meters (max.)
PoE PORTS	MAX OUTPUT POWER MID/END SPAN PD (POWER DEVICE) DETECTION	IEEE 802.3af/at, 15.4/30/60 W output (depending on model) Selectable by DIP switch Yes – the switch port will detect the presence of a PoE enabled device before sending power. If a non-PoE device is detected, power will not be sourced on that port, but Ethernet communications will be permitted. The KSwitch D1GUP-GP30-G-FM (Force mode) does not require a PoE PD device. It will always power the PoE port.
	POE OVERLOAD PROTECTION REVERSE PROTECTION	yes yes
PROTOCOL & STANDARDS		IEEE 802.3, IEEE 802.3x, flow control, back pressure, TCP/UDP
POWER	POWER INPUT INPUT VOLTAGE RANGE	Power input terminal block or DC jack input, class 2 power supply 24-48 V DC 100/240 V AC, 50 Hz ~ 60 Hz (AC version)
	REVERSE POWER PROTECTION POWER CONSUMPTION PoE POWER POWER BUDGET	yes up to 3.6 W max. 15.4/30/60 W Ensure power supply to the switch is sized adequately to account for powered devices (PD)
INDICATORS		
POWER STATUS INDICATION (SYS)	ON GREEN OFF	Power line has power Power line disconnect
PoE PORT INDICATION	PoE LIGHT (BLUE) OFF OFF	PoE is working on force mode P1 power line disconnected or does not have supply power No link, or 10 Mbps connection is detected
ENVIRONMENTAL & COMPLIANCE	OPERATING TEMPERATURE STORAGE TEMPERATURE	-40 °C - +75 °C (cold startup at -40 °C) -40 °C - +85 °C
	HUMIDITY EMC SAFETY RoHS & WEEE MTBF	5 - 95 % (non-condensing) EN 61000-6-3 Class B, EN 61000-6-4, EN 61000-6-2, EN 55035 UL/ IEC/ EN 62368-1 RoHS (Pb free), REACH and WEEE compliant > 200,000 hours
MECHANICAL	PROTECTION DIMENSION (HxWxD)	Metal case, IP30 DC versions 91.0 x 29.0 x 71.3 mm (without DIN rail kit)
	WEIGHT INSTALLATION	AC versions 80 x 156 x 96.6 mm (without DIN rail kit) 190 g / 330 g 800 g DIN-Rail mounting

▶ MECHANICAL DRAWING

DC versions



Note: please reserve 20 mm space around the switch for convection cooling

AC versions



Note: please reserve 20 mm space around the switch for convection cooling

▶ ORDERING INFORMATION

ARTICLE	PART NO.	DESCRIPTION	10/100/1000 Mb PoE PD	10/100/1000 Mb PoE
STANDARD CONFIGURATIONS				
KSWITCH D1UGP GP30-G	1067-5256	Industrial 2-port PoE injector, IEEE 802.3af/at 15.4/30 W output, mode A DC input 24-48 V DC	1	1
KSWITCH D1UGP GP60-G	1067-5254	Industrial 2-port PoE injector, PoE/PoE+/PoE++, 60 W output, mode A DC Input 24-48 V DC	1	1
ON REQUEST				
KSWITCH D1UGP GP30-G-AC*		Industrial 2-port PoE injector, IEEE 802.3af/at 15.4/30 W output 100/240 V AC, 50Hz ~ 60 Hz	1	1
KSWITCH D1UGP GP60-G-AC*		Industrial 2-port PoE injector, PoE/PoE+/PoE++, 60 W output 100/240 V AC, 50Hz ~ 60 Hz	1	1
KSWITCH D1UGP GP30-G-FM*		Industrial 2-port PoE injector, IEEE 802.3af/at 15.4/30 W output, Force mode DC Input 24-48 V DC	1	1
PACKAGE CONTENTS		KSwitch D1 UGP Switch, terminal block, DIN-Rail mounting kit, safety instruction sheet		
ACCESSORIES				
RK2U, RK4U		19" Rack Mount Kit 4U or 2U		
230 V AC TO DC POWER ADAPTER				
WK25		Wall Mount Kit		

*) on project request, typically 10 – 12 weeks lead time
 **) PSB: Power Source Backbone, up to 57 W output

▶ GLOBAL HEADQUARTERS

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