

KSWITCH D1 UGPD PoE INJECTORS



Kontron Gigabit Ethernet KSwitch D1 UGPD PoE Injector Series

- ▶ Up to 4-port DIN-Rail Gigabit Industrial Ethernet Switch with PoE
- ▶ IEEE 802.3af/at PoE support up to 36 W, 57 W PSB port and 12 V output
- ▶ Input port-to-power device (PD)
- ▶ Wide range, dual input DC power supply
- ▶ Industrial grade, highly reliable, long-term available

POSSIBILITIES START HERE



KSWITCH D1 UGPD SWITCH SERIES

The KSwitch D1 UGPD Series includes high power, Gigabit Ethernet industrial PoE injectors in a ruggedized design, which meet IEEE 802.3af/at standard with 15.4/30/36 Watts output and up to 57 Watts high power output (PSB port). The KSwitch D1 UGPD series

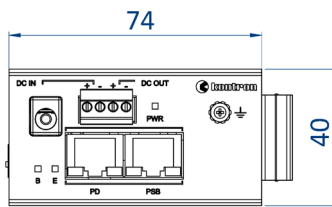
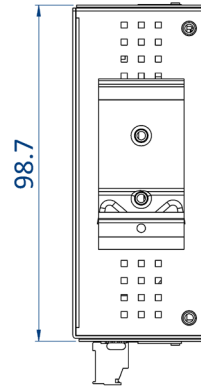
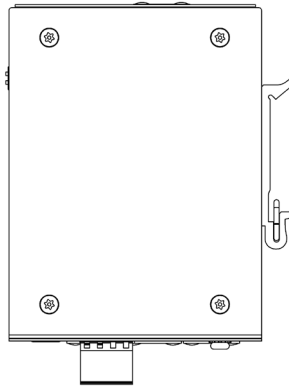
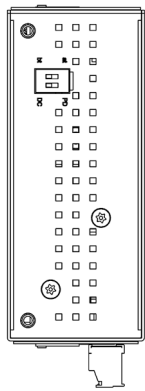
can easily be used in factory production lines, embedded into machine systems or applied for any PoE network expansion, where power distribution is required. The KSwitch D1 UGPD series is the perfect solution for all applications where PoE support is required.

► TECHNICAL INFORMATION

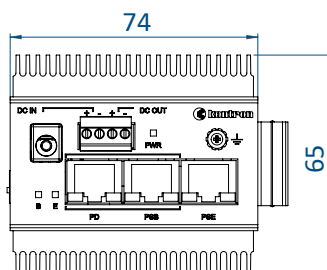
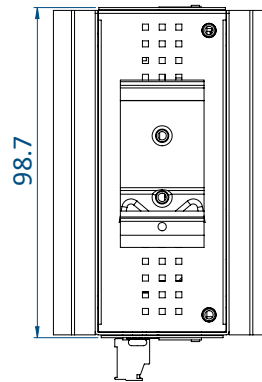
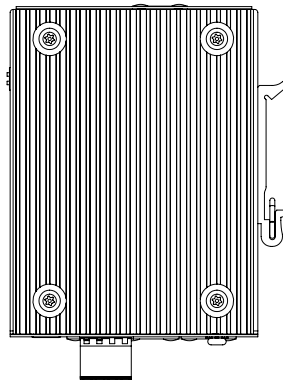
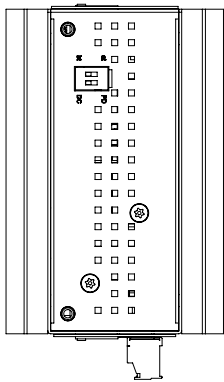
		KSWITCH D1 UGPD
NETWORK	OPERATING MODE MAC ADDRESSES PACKET BUFFER JUMBO FRAME BACKPLANE/SWITCHING FABRIC	Store and forward, L2 wire-speed/non-blocking switching engine 1K 1 Mbits 9K Up to 8 Gbps
RJ45 COPPER PORTS	SPEED MDI/MDIX AUTO-CROSSOVER AUTO-NEGOTIATION/DUPLEX	Up to 4x 10/100/1000 Mbps Support straight or cross wired cables 10/100/1000 Mbps speed auto-negotiation, full and half duplex
PoE PORTS	OUTPUT POWER	IEEE 802.3af/at, PoE++, 15.4/30/36/60 W output
PROTOCOL & STANDARDS	POWER INPUT	IEEE 802.3, IEEE 802.3x, flow control, back pressure, TCP/UDP
POWER	INPUT VOLTAGE RANGE POWER OUTPUT (PoE SPLITTER) REVERSE POWER PROTECTION POWER CONSUMPTION	3-way power input, DC input with terminal block or DC jack, or PoE input (up to PoE++, 60 W) 12-58 V DC (supplied by power adapter) or 56 V DC (supplied by PoE++) 12 V DC, 1 A, terminal block yes 3 W (3 W power loss over 100 m Ethernet cable without PD load)
INDICATORS	POWER STATUS INDICATION ETHERNET PORT INDICATION	Power input status Link & speed
ENVIRONMENTAL & COMPLIANCE	OPERATING TEMPERATURE STORAGE TEMPERATURE HUMIDITY EMC SAFETY RoHS & WEEE MTBF	-40 °C - 70 °C (cold startup at -40 °C) -40 °C - 85 °C 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 > 220,000 hours
MECHANICAL	PROTECTION DIMENSION (HxWxD) WEIGHT INSTALLATION	IP30 40 x 74 x 97 mm 470 g DIN-Rail mounting, wall mounting

▶ MECHANICAL DRAWING

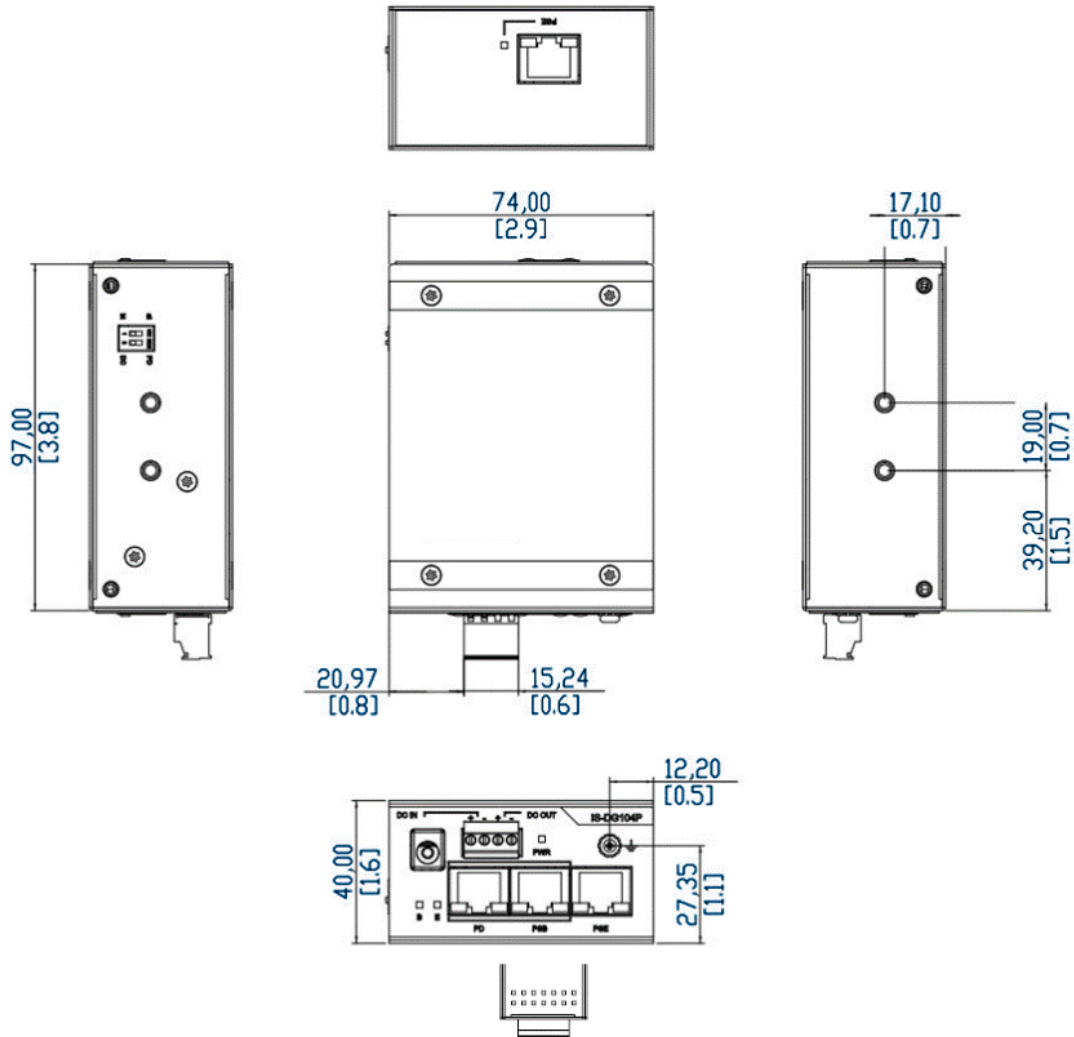
2-port version



3-port version



4-port version



▶ ORDERING INFORMATION

ARTICLE	PART NO.	DESCRIPTION	10/100/1000 Mb PoE PD	10/100/1000 Mb PoE PSB**	10/100/1000 Mb PoE PSE
STANDARD CONFIGURATIONS					
KSWITCH D1UGPD 3GP30-G-PD	1067-5253	Industrial 4-port 4in1 PoE injector, IEEE 802.3af/at 15.4/30/57 W output, 1 PD, 1x 12 V DC out	1	1	2
ON REQUEST					
KSWITCH D1UGPD 2GP30-G-PD*		Industrial 3-port 3in1 PoE injector, IEEE 802.3af/at 15.4/30/57 W output, 1x PD, 1x 12 V DC out	1	1	1
KSWITCH D1UGPD GP30-G-PD*		Industrial 2-port 4in1 PoE injector, IEEE 802.3af/at 15.4/30/57 W output, 1x PD, 1x 12 V DC out	1	1	
PACKAGE CONTENTS		KSwitch D1 UGPD 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					
WK97		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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