

KSWITCH D3 UMPD PoE SERIES



Kontron Gigabit Ethernet KSwitch D3 UMPD PoE Series

- ▶ Up to 20-port DIN-Rail Industrial Ethernet Switch
- ▶ IEEE 802.3af/at PoE support
- ▶ Input port-to-power device and output-for-power sourcing
- ▶ Fast & Gigabit Ethernet, unmanaged Layer 2, copper & fiber ports
- ▶ Wide range, dual input DC power supply, alarm output

POSSIBILITIES START HERE

KSWITCH D3 UMPD SWITCH SERIES

The KSwitch D3 UMPD series offers cost-effective unmanaged Industrial Ethernet Switches with up to 20 Fast Ethernet ports, up to 1 Gigabit TX or FX ports, PD and PSE ports which meet the IEEE 802.3af/at standard output (PSE port) and up to 60 Watts high power output via a PSB port. The KSwitch D3 UMPD series can

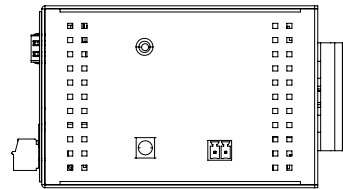
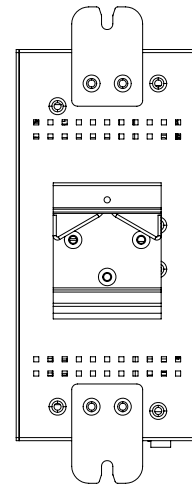
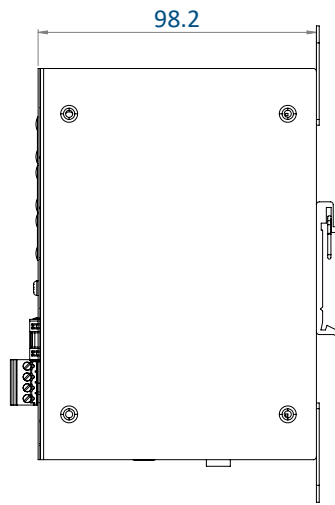
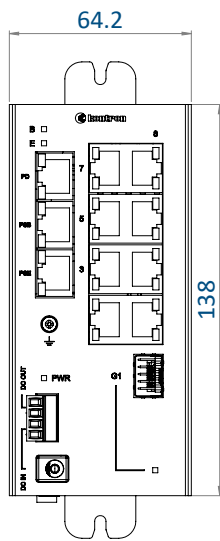
easily be used in factory production lines, embedded into machine systems or deployed for any simple network expansion. The KSwitch D3 UMPD series is the perfect solution for all applications where PoE support is required.

► TECHNICAL INFORMATION

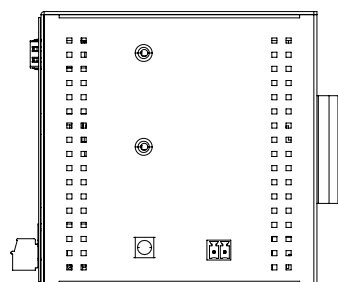
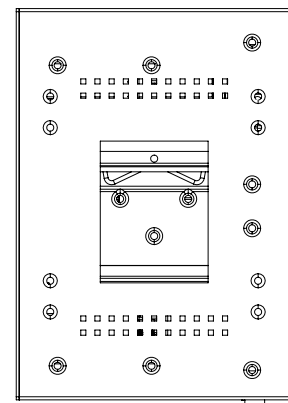
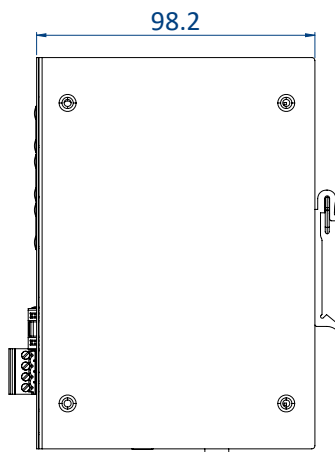
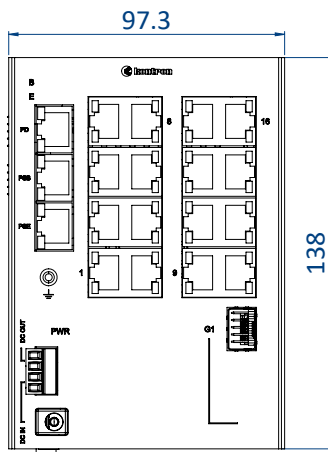
		KSWITCH D3 UMPD 10-PORT	KSWITCH D3 UMPD 12-PORT	KSWITCH D3 UMPD 18-PORT	KSWITCH D3 UMPD 20-PORT
NETWORK	OPERATING MODE MAC ADDRESSES PACKET BUFFER BACKPLANE / SWITCHING FABRIC	Store and forward, L2 wire-speed/non-blocking switching engine 16K 4 Mbits Up 11.2 Gbps			
RJ45 COPPER PORTS	SPEED MDI/MDIX AUTO-CROSSOVER AUTO-NEGOTIATION/DUPLEX ETHERNET PORT PROTECTION SPEED	Up to 16-port 10/100 Mbps plus 4-port 10/100/1000 Mbps (G1, PD, PSB, PSE port) Support straight or cross wired cables 10/100/1000 Mbps speed auto-negotiation, full and half duplex 1.5 KV V RMS 1 minute (Hipot), 2 KV surge immunity on RJ45 copper ports 16-port 10/100 Mbps plus 4-port 10/100/1000 Mbps (G1, PD, PSB, PSE port)			
FIBER PORTS	PORT TYPES SUPPORTED FIBER PORT CONNECTOR OPTIMAL FIBER CABLE	Up to 1x 1000 Base SFP slot LC/RJ45 connector for fiber ports Typical 50 or 62.5/125 µm for multimode (mm) Typical 8 or 9/125 µm for single mode (sm)			
PROTOCOL & STANDARDS		IEEE 802.3, IEEE 802.3x, flow control, back pressure, TCP/UDP			
POWER	POWER INPUT INPUT VOLTAGE RANGE REVERSE POWER PROTECTION POWER CONSUMPTION	Redundant power input, removable terminal block or DC jack, and PoE PD input (up to Ultra PoE, 60 W) 12-58 V DC (supplied by power adapter) or 56 V DC (supplied by Ultra PoE) yes 7.5 W 8 W 10.5 W 12 W (without PD load) (without PD load) (without PD load) (without PD load)			
INDICATORS	STATUS INDICATION PORT INDICATION	Power input status Link & speed			
ENVIRONMENTAL & COMPLIANCE	OPERATING TEMPERATURE STORAGE TEMPERATURE HUMIDITY EMC SAFETY RoHS & WEEE MTBF	-40 °C - 75 °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 > 200,000 hrs			
MECHANICAL	PROTECTION DIMENSION (HxWxD) WEIGHT INSTALLATION	IP30 138x64.2x98.2 mm 900 g	138x 64.2x98.2 mm 950 g	138x97.3x98.2 mm 1.1 kg	138x97.3x98.2 mm 1.2 kg

▶ MECHANICAL DRAWING

12-port PD



20-port PD



▶ ORDERING INFORMATION

ARTICLE	PART NO.	DESCRIPTION	10/100 T(X)	10/100/1000 T(X)	10/100/1000 F(X)	10/100/1000 T(X) PD	10/100/1000 T(X)PSB	10/100/1000 T(X)PSE
---------	----------	-------------	-------------	------------------	------------------	---------------------	---------------------	---------------------

STANDARD CONFIGURATIONS

KSWITCH D3UMPD 8F-GP30-GS-PSB-PD	1067-5252	Industrial 12-port PD-PoE Unmanaged Switch, 1x 12-58 V DC input, 1x DC 12 V output	8		1	1	1	1
---	-----------	--	---	--	---	---	---	---

ON REQUEST

KSWITCH D3UMPD 8F-PSB-PD*		Industrial 10-port PD-PoE Unmanaged Switch, 1x 12-58 V DC input, 1x DC 12 V output	8			1	1	
KSWITCH D3UMPD 8F-GP30-G-PSB-PD*		Industrial 12-port PD-PoE Unmanaged Switch, 1x 12-58 V DC input, 1x DC 12 V output	8	1		1	1	1
KSWITCH D3UMPD 16F-PSB-PD*		Industrial 18-port PD-PoE Unmanaged Switch, 1x 12-58 V DC input, 1x DC 12 V output	16			1	1	
KSWITCH D3UMPD 16F-GP30-G-PSB-PD*		Industrial 20-port PD-PoE Unmanaged Switch, 1x 12-58 V DC input, 1x DC 12 V output	16	1		1	1	1
KSWITCH D3UMPD 16F-GP30-GS-PSB-PD*	1067-5251	Industrial 20-port PD-PoE Unmanaged Switch, 1x 12-58 V DC input 1x DC 12 V output	16		1	1	1	1
PACKAGE CONTENTS		KSwitch D3 UMPD Switch, terminal block, DIN-Rail mounting kit, safety instruction sheet						

ACCESSORIES

SFP MODULES		
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

▶ GLOBAL HEADQUARTERS

Kontron Europe GmbH

Gutenbergstraße 2
85737 Ismaning, Germany
Tel.: +49 821 4086-0
Fax: +49 821 4086-111
info@kontron.com

www.kontron.com