

KSWITCH D4 MFP PoE SERIES



Kontron Fast Ethernet KSwitch D4 MFP PoE Series

- ▶ Up to 9-port DIN-Rail Industrial Ethernet Switch
- ▶ Fast Ethernet, web-managed Layer 2, copper & fiber ports
- ▶ IEEE 802.3af/at PoE support
- ▶ Wide range, dual input DC power supply, alarm output
- ▶ Industrial grade, highly reliable, long-term available

POSSIBILITIES START HERE



KSWITCH D4 MFP SWITCH SERIES

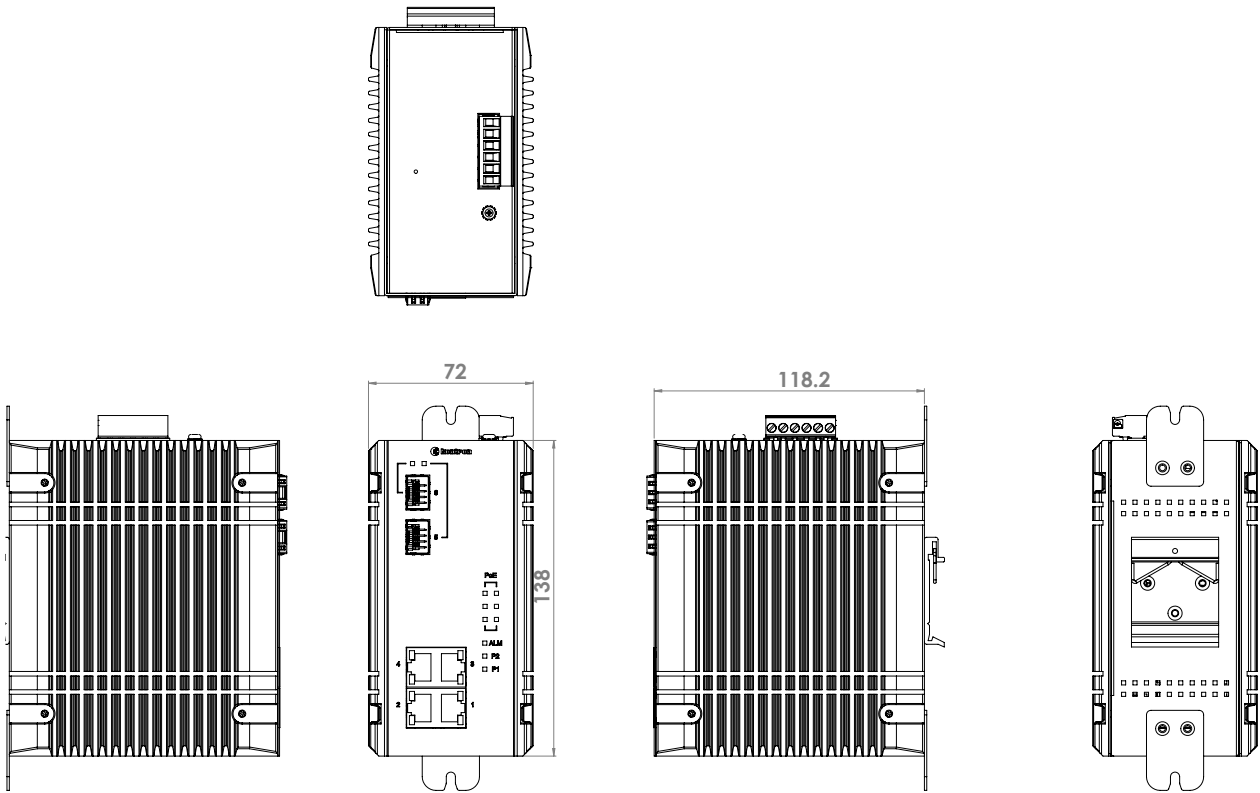
The Kontron KSwitch D4 MFP series offers cost-effective web-managed Industrial Ethernet Switches with up to 9 Fast Ethernet ports providing easy to use plug-n-play connectivity. Copper and fiber optics ports are available as well as IEEE 802.3af/at PoE support at up to 6 ports.

The Kontron KSwitch D4 MFP series can easily be integrated in factory production lines, embedded into a machine control system or applied for any simple network expansion which requires Power over Ethernet. It is the perfect solution for quality inspection, building automation and edge site installation.

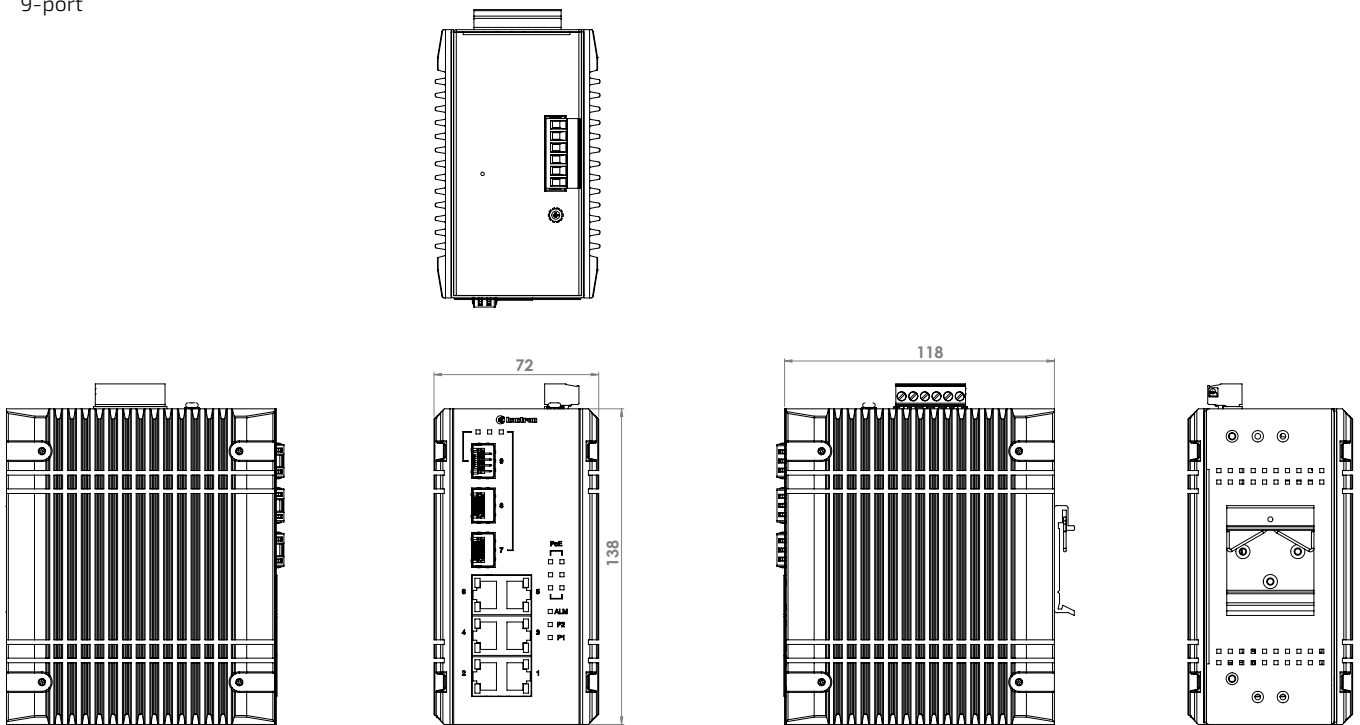
▶ TECHNICAL INFORMATION

		KSWITCH D4 MFP 6-PORT	KSWITCH D4 MFP 9-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 to 1.8 Gbps	
RJ45 COPPER PORTS	SPEED MDI/MDIX AUTO-CROSSOVER AUTO-NEGOTIATION/DUPLEX ETHERNET PORT PROTECTION PoE	Up to 9x 10/100 Mbps RJ45 ports Support straight or cross wired cables 10/100 Mbps speed auto-negotiation, full and half duplex 1.5 KV VRMS 1 minute (Hi-pot), 2KV surge immunity on RJ45 copper ports IEEE 802.3af/at (15.4/30 W), PoE/PoE+	
FIBER PORTS	PORT TYPES SUPPORTED FIBER PORT CONNECTOR OPTIMAL FIBER CABLE	Up to 3x 100 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 802.3u, IEEE 802.3ab, IEEE 802.3z, IEEE 802.3x, IEEE 802.1D/w, IEEE 802.1Q/p, IEEE 802.1ab, IEEE 802.1X, IEEE 802.3ad LLDP, IPv4/IPv6, SNMP v1/v2c/, TFTP, ARP, RARP, Telnet, Syslog, flow control, back pressure, ICMP, UPD, TCP	
NETWORK REDUNDANCY	SPANNING TREE PROTOCOL PORT TRUNK / LACP	IEEE 802.1D/1w, STP/RSTP Static Trunk or LACP (Link Aggregation Control Protocol)	
BRIDGE, VLANS, PROTOCOLS	FLOW CONTROL MAX VLANS VLAN TYPES MULTICAST PROTOCOLS	IEEE 802.3x (full duplex) and back-pressure (half duplex) 256 Port-based VLAN, IEEE 802.1Q tag-based VLAN IGMP v1, v2, up to 255 multicast groups IGMP snooping, querying IEEE 802.1ab LLDP	
TRAFFIC MANAGEMENT & QOS	LLDP PRIORITY NUMBER OF QUEUES PER PORT SCHEDULING SCHEMES	IEEE 802.1p QoS 8 SPQ, WRR	
SECURITY	PORT SECURITY STORM CONTROL	IP and MAC-based Access Control/Filter, Auth User / Privilege Level Control Multicast / Broadcast / Flooding Storm Control / Port Access Control / Limiters	
MANAGEMENT	USER MANAGEMENT INTERFACES MANAGEMENT SECURITY UPGRADE & RESTORE DIAGNOSTIC DHCP SNTP SYSTEM STATUS GREEN ETHERNET	Web-based Management, SNMP V1, V2c, Trap, Telnet (5 sessions) HTTPs, SSH, Access management, Loop Protection TFTP for Configuration Import / Export TFTP for Firmware Upgrade Syslog, Level Info / Warning / Error Port Mirror, Per VLAN mirroring, CPU Load Monitor, Traffic Counter ICMP Ping Client Mode, Server Mode, Relay Mode, Snooping yes Device info/status, Ethernet port status Port power savings	
POWER	POWER INPUT INPUT VOLTAGE RANGE REVERSE POWER PROTECTION POWER CONSUMPTION	Redundant power input, removable terminal block 12-58 V DC yes 15 W (w/o PD Load)	
INDICATORS	STATUS INDICATION PORT INDICATION RELAY OUTPUT	Power input status Link & speed 1A, 24 V, Normal close	
ENVIRONMENTAL & COMPLIANCE	OPERATING TEMPERATURE STORAGE TEMPERATURE HUMIDITY EMC SAFETY RoHS & WEEE MTBF	-10 °C - 60 °C (cold startup at -10 °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 hrs	
MECHANICAL	PROTECTION DIMENSION (HxWxD) WEIGHT INSTALLATION	IP30 138 x 72 x 118.2 mm 1.1 kg DIN-Rail mounting, wall mounting	

6-port



9-port



▶ ORDERING INFORMATION

ARTICLE	PART NO.	DESCRIPTION	100T(X)	100FX SFP
STANDARD CONFIGURATIONS				
KSWITCH D4MFP 4FP30-2FS	1067-5237	Industrial 6-port managed Ethernet switch, -10 °C to 60 °C of operating temperature, dual DC power input	4 (4 PoE)	2
KSWITCH D4MFP 6FP30-3FS	1067-5234	Industrial 9-port managed Ethernet switch, -10 °C to 60 °C of operating temperature, dual DC power input	6 (6 PoE)	3
ON REQUEST				
KSWITCH D4MFP 4FP30-2F*		Industrial 6-port managed Ethernet switch, -10 °C to 60 °C of operating temperature, dual DC power input	6 (4 PoE)	0
KSWITCH D4MFP 6FP30-3F*		Industrial 9-port managed Ethernet switch, -10 °C to 60 °C of operating temperature, dual DC power input	9 (6 PoE)	0
KSWITCH D4MFP 6FP30-F-2FS*	1067-5235	Industrial 9-port managed Ethernet switch, -10 °C to 60 °C of operating temperature, dual DC power input	7 (6 PoE)	2
PACKAGE CONTENTS		KSwitch D4 MFP 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

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