



# KGS-0841



## IP65/67 Fast Ethernet L2 switch

### Product Highlights:

- IP65/67 rated
- Fast Ethernet support
- Outdoor patch cables available
- Jumbo frame support
- Power saving support

KTI's KGS-0841 IP65/67 switch is an unmanaged Fast Ethernet switch with the ruggedized hardware design for protection against strong jets of water and temporary immersion in water.

Designed to operate reliably in harsh industrial environments the switch provides a high level of immunity to electromagnetic interference and heavy electrical surges usually found in industrial environments. An operating temperature range of -40°C to +70°C coupled with IP65/67 rated waterproof design allows the switch to be installed in any locations virtually.

Featured with the ruggedized hardware design, the switch provides ideal solutions for any harsh environments, such as strong vibrations, extreme temperatures and wet or dusty conditions.

### Key Features:

- Provide 8 10/100Mbps copper ports with M12 connector
- Full wire speed forwarding and filtering
- Supports 802.3x flow control for full-duplex and backpressure for half-duplex
- Support jumbo frame up to 9.6K bytes
- Flooding undesired packet storm caused by loops in the network or DOS attacks
- Waterproof enclosure design, LAN port connectors and power connector
- IP67 rated for protection against temporary immersion in water
- IP65 rated for protection against strong jets of water
- Support either direct DC input

### Compliance:

- EN 50155 EMC & Environments: Railway Applications on Rolling Stock
- EN 61000-6-4: Emission for Industrial Environments
- EN 61000-6-2: Immunity for Industrial Environments
- EN 50121-1: Railway Applications - General EMC
- EN 50121-3-2: Railway Applications - Rolling Stock Apparatus
- EN 50121-4: Railway Applications - Signalling and Telecommunications Apparatus
- NEMA TS2 Environments: Traffic control equipment

### Specifications:

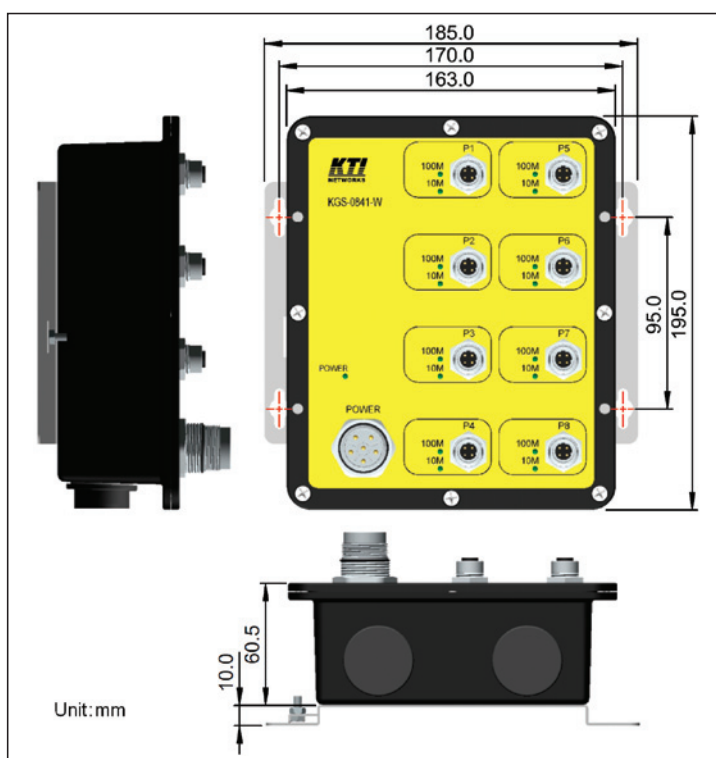
Standard	IEEE 802.3, 802.3x
Copper Ports	Port: 10/100BASE-TX interface Auto-negotiation, auto-MDI/MDI-X support Connector: M12 D-coded (Std. IEC 61076-2-101 ) Network cable: Cat.5 up to 100m
MAC Addresses	Table with 8K entries
Buffer Memory	176K bytes
Power Input	Direct DC via power connector
Direct DC Input	M23 connector (IP67 rated) Working voltage range: +6.5 ~ 60VDC
LED Indication	Unit: Power Port: speed/link/activity status
Power Consumption	11.5W
Mechanical	Aluminum molded housing with no fan IP65/67 protection

Dimensions	163 x 60.5 x 195 mm (WxDxH)
Mounting Support	Enclosure panel, flat mouting, wall mounting
Environment	Operating Temperature: -40°C ~ 70°C Storage Temperature: -40°C ~ 85°C Relative Humidity: 5% ~ 95% RH
Approval	FCC Class A, VCCI Class A, CE mark, CISPR 11 Class A EN 61000-6-4 emission, EN 61000-3-2, 61000-3-3 EN 61000-6-2 immunity for industrial environment, IEC 60950-1 safety, EN 50121-1, EN 50121-3-2, EN 50121-4 , IEC 60068-2-1 cold temperature test, IEC 60068-2-2 dry heat test, IEC 60068-2-30 damp heat test, IEC 60068-2-48 storage temperature test, IEC 60529 IPX5: water jets test, IEC 60529 IPX7: water immersion test, IEC 60529 IP6X: ingress of dust test, EN 61373 Vibration and Shock test E-Mark E13 Certification, EN50155 EMC & Environments, NEMA TS2 Environment test

### Series Ordering Information:

Model	Managed	Copper Ports		Fiber Option		PoE
		FE	GbE	FE	GbE	
KGS-0841-W	-	8				-
KGS-0860-WP-x	v	6		1,2		PD P4
KGS-0861-WP-x	v		6		1,2	PD P4
KGS-0862-WP-x	v		6		1,2	PSE P1-P8
KGS-0863-WP-x	v	6			1,2	PSE P1-P8

\* x: Fiber code specified fiber options



Dimensions



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