KFS-0540 Ver.B



Industrial 5-Port L2 Fast Ethernet Switch

DIN-Rail Mounting



Panel Mounting Bracket
PMB-0540



Key Features:

- All ports support auto-negotiation and auto-MDI/MDI-X detection
- Support IEEE 802.3x flow control for full-duplex operation
- Support Back-pressure flow control for half-duplex operation
- Wide operating temperature range for temperature critical environment
- Support DIN-Rail mounting and panel mounting
- Provide two power input types to meet more application needs
- Accept wide power input voltage range for application flexibility
- Industrial-rated Emission and Immunity performance

Specifications:

Standard	IEEE 802.3 10BASE-T, IEEE 802.3u 100BASE-TX std.
Network Ports	5 10/100 Fast Ethernet copper ports Shielded RJ-45 jacks with auto-negotiation, auto-MDI/MDI-X support
Flow control	IEEE 802.3x pause packet for full-duplex operation Back-pressure for half-duplex operation
Cables	10Base-T: Cat. 3, 4, 5 or higher (100 meters max.) 100Base-TX: Cat. 5, 5e or higher (100 meters max.)
LEDs	Power status, Port link/activity status, Port speed status
Forwarding rate	10Base-T: 10Mbps (Half-duplex) 20Mbps (Full-duplex) 100Base-TX: 100Mbps (Half-duplex) 200Mbps (Full-duplex)
Packet Size	Up to 1536 bytes
Environment	Operating Temperature: -35°C ~ 70°C Storage Temperature: -40°C ~ 85°C Relative Humidity: 10% ~ 90% non-condensing
Dimensions	40 x 80 x 95 mm (WxDxH)
DC Power Input	Screwed terminal block DC jack: -D 6.3mm/+D 2.0mm Operating voltage range: +7V ~ +30VDC
Power Consumption	2.2W max.
Housing	Enclosed metal with no fan
Mounting Support	DIN-Rail, Wall, Panel mounting (optional)

EMI EMS Safety Environmental Tests:

Test	Standard	Specifications
FCC/EMI	FCC Rule Part 15	Class A
CE/EMC/EMI	EN 61000-6-4	Class A
CE/EMC/Harmonic	EN 61000-3-2	< 75 W
CE/EMC/VFF	EN 61000-3-3	Clause 5
CE/EMC/EMS	EN 61000-6-2	
ESD Test	IEC 61000-4-2	Contact: +/-4KV Air: +/-8KV
RS Test	IEC 61000-4-3	Strength: 10V/m
EFT/BURST	IEC 61000-4-4	DC IN: 2K RJ-45: +/-1KV
Surge	IEC 61000-4-5	DC IN: +/-0.5KV RJ-45: +/-1KV
CS Test	IEC 61000-4-6	Level 3
Magnetic Field Imm.	IEC 61000-4-8	50/60Hz 30A/m
Dielectric Voltage	IEEE 802.3	TP, 1500VAC/60sec.
Insulation Resistance	IEEE 802.3	TP, 500VDC/10Mohm
Cold Test	IEC 60068-2-1 Ad	-40°C, 72hrs
Dry Heat Test	IEC 60068-2-2 Bd	+70°C, 30%RH, 72hrs
Damp Heat Test	IEC 60068-2-3 Ca	+70°C, 95%RH, 72hrs
Storage Test	IEC 60068-2-48	-40°C, 96hrs +85°C, 95%RH, 96hrs
Vibration Test	IEC 60068-2-64 Fh	10~200Hz, 0.1g²/Hz 200~500Hz, 0.03g²/Hz
Vibration Test	IEC 60068-2-6 Fc	5~200Hz, 1G Sinusoidal
Shock Test	IEC 60068-2-27 Ea	50G
Bump Test	IEC 60068-2-27 Ea	25.5G, 1000times

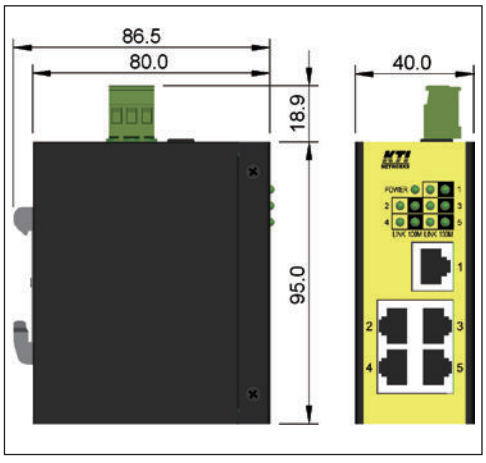
Katron Technologies Inc.
15F-7, No. 79, Sec. 1, Hsin Tai Wu Rd.,
Hsi-chih District, New Taipei City, Taiwan
Tel: 886-2-2698-3878
Fax: 886-2-2698-3873
E-mail: kti@ktinet.com.tw
URL: http: //www.ktinet.com.tw

Trademarks: All brand names are trademarks or registered trademarks of their respective holders.
This information is subject to change without prior notice.

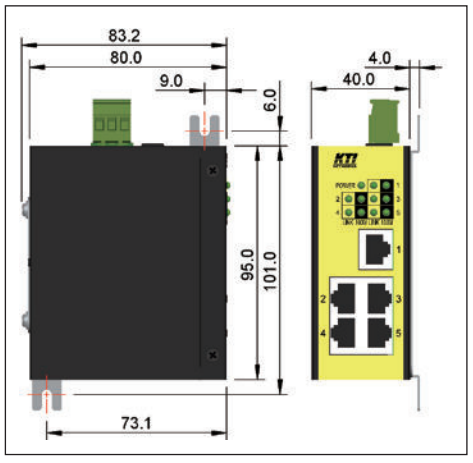
Approval	FCC/VCCI/CE Class A, EN 55032, EN 61000-6-4 emission, EN 61000-3-2, EN 61000-3-3, EN 61000-6-2 Immunity for industrial environment, IEC 60068-2-64 Vibration, IEC 60068-2-27 Shock 50G test, IEC 60068-2-27 Bump 25.5G test

Optional Accessories:

KPW-1212-H-V	AC Power adapters for high temperature 60°C for Europe, Input 100 ~ 240VAC, Output 12VDC/1A, 12Watts
KPW-1212-H-U	AC Power adapters for high temperature 60°C for USA, Input 100 ~ 240VAC, Output 12VDC/1A, 12Watts
KPW-2012-D-E	DIN-Rail Power Supply, Input 100 ~ 240VAC, Output 12VDC/1.8A, 21.6Watts -20°C ~ 60°C
KPW-2024-D	DIN-Rail Power Supply, Input 100 ~ 240VAC, Output 24VDC/0.9A, 21.6Watts -25°C ~ 70°C
KPW-1012-D	DIN-Rail Power Supply, Input 100 ~ 240VAC, Output 12VDC/0.85A, 10.2Watts -40°C ~ 70°C
PMB-0540	Panel mounting kit for KFS-0540



DIN-Rail Dimension



Panel Dimension