



REAL OPTIC



KFS-1640-L

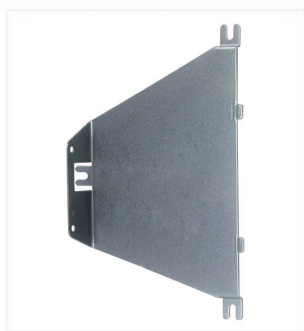


Industrial 16-Port L2 Fast Ethernet Switch

DIN-Rail Mounting



Panel Mounting Bracket
KSD-8PB



Key Features:

- Auto MDI/MDI-X crossover function on the TP copper port
- Supports IEEE 802.3x flow control for full-duplex operation
- Supports Back-pressure flow control for half-duplex operation
- Transparent forwarding for tagged/untagged, IGMP, RSTP/STP packets with no modification
- IEEE 802.3az Energy Efficient Ethernet (EEE)
- Wide operating temperature range for temperature critical environment
- Supports DIN-Rail mounting and panel mounting
- Provides 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	16 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)
MAC Table	8K entries
Packet Size	Up to 2K bytes
Environment	Operating Temperature: -40°C ~ 70°C (Device) Storage Temperature: -40°C ~ 85°C Relative Humidity: 10% ~ 90% non-condensing
Dimensions	40 x 106 x 140 mm (WxDxH)
Power Input Voltage	+4.5 ~ +50VDC
Power Input Connector	Industrial Terminal Block 5P: V _{in} +/-, PE, PF +/- (PF: Power failure relay output) DC jack: -D 6.3mm/+D 2.0mm

A2-240124



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	230VAC/50Hz Class A
CE/EMC/VFF	EN 61000-3-3	Clause 5
CE/EMC/EMS	EN 61000-6-2	
ESD Test	IEC 61000-4-2	Contact: +/-6kV Air: +/-8kV
RS Test	IEC 61000-4-3	Strength: 10V/m
EFT/BURST	IEC 61000-4-4	DC IN: +/-1kV RJ-45: +/-1kV
Surge Immunity	IEC 61000-4-5	DC IN: +/-1kV RJ-45: +/-1kV
CS Test	IEC 61000-4-6	Level 3
Magnetic Field Imm.	IEC 61000-4-8	50/60Hz 30A/m
Safety	EN 62368-1	
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, 90%RH, 96hrs



Katron Technologies Inc.

Power Consumption 3.4W max.

Housing Enclosed metal with no fan

Mounting Support DIN-Rail, Panel mounting (optional)

Approval FCC Class A, VCCI Class A, CE mark Class A, IEC 62368-1 safety

Optional Accessories:

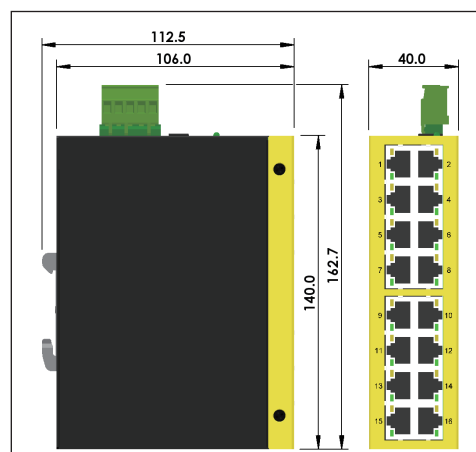
KPW-1212-H-V AC Power adapters for high temperature 60°C for Europe, Input 100 ~ 150VAC, Output 12VDC/1.0A, 12Watts

KPW-1212-H-U AC Power adapters for high temperature 60°C for USA, Input 100 ~ 240VAC, Output 12VDC/1.0A, 12Watts

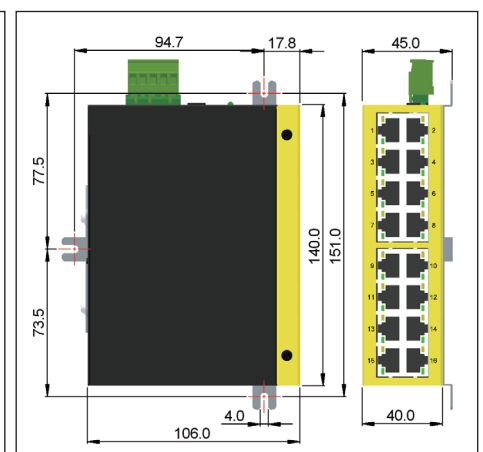
KPW-2012-D-E DIN-Rail Power Supply, Input 100 ~ 240VAC, Output 12VDC/1.8A 20Watts, WT -20°C ~ 60°C

KPW-1012-D DIN-Rail Power Supply, Input 100 ~ 240VAC, Output 12VDC/0.85A 10Watts, WT -20°C ~ 70°C

KSD-8PB Panel mounting bracket



Din-Rail Mount Dimension



Panel & Wall Mount Dimension