



## Industrial Grade Fibre Media Converter: 1-port 10/100Mbps RJ45 + 1-port 100Mbps SC Fiber

KSM's Industrial Ethernet Switch converts 10/100Mbps copper Ethernet network signals over 100Mbps single mode and multimode fibre. The unit features surge protection facilities to protect the unit in harsh installation environments.

### Features

- 1 Port 10/100Mbps RJ45 with Auto Uplink™ , 1 port 100Mbps SC
- Automatic MAC Addressing
- Automatically support IGMP (Multicasting)
- 10/100Mbps Auto-negotiation , auto-MDI-MDI-X
- LED indicators for monitoring power/link/activity
- Supports 10/100Mbps-Full/Half-duplex
- Supports Wall-mount and DIN-Rail installation for lightning protection
- Supports Daisy-Chain connection
- Supports Broadcast Storm Control
- Supports Relay output for power failure
- Lightening surge protection, IP40 protected
- Excellent heat reduction without a cooling fan
- Redundant dual DC power inputs.
- Redundant Power Inputs
- -40-85 degrees operating temperature range.
- 1-Year Warranty

Industry Standard Compliance:

FCC CFR47 Part 15,EN55022/CISPR22, Class A EMS:

IEC61000-4-2 (ESD): ±8kV (contact), ±15kV (air)

IEC61000-4-3 (RS): 10V/m (80MHz-2GHz)

IEC61000-4-4 (EFT): Power Port: ±4kV; Data Port: ±2kV

IEC61000-4-5 (Surge): Power Port: ±2kV/DM, ±4kV/CM; Data Port: ±2kV

IEC61000-4-6 (CS): 3V (10kHz-150kHz); 10V (150kHz-80MHz)

IEC61000-4-16 (Common mode conduction): 30V (cont.), 300V (1s)

Certification: CE Mark, commercial; FCC Part 15 Class B; VCCI Class B EN 55022 (CISPR 22), Class B ; C TICK Approval N12565.

**[www.ksm.com.au](http://www.ksm.com.au)**  
**Tel: 0061(0)2 8003 3372 Email: [sales@ksm.com.au](mailto:sales@ksm.com.au)**



## Specifications

Fibre Port Connector Options	SC or ST Duplex Connector
Ethernet/UTP Port	RJ45 Connector
Fibre Media Port Options Multi-mode	100Mbps, 850nm 2KM
Fibre Media Port Options Single Mode	100Mbps, 1310nm 20/40KM, 1550nm 60/80KM
Network Media Ethernet	10/100Base-T: Cat6 UTP(≤100 meter)
BandWidth	1Gbps
Packet Buffer Memory	512K
Packet Forward Rate	1488000pps per port
MAC Address Table	1K
Network Protocols	IEEE802.3 10BASE-T; IEEE802.3i 10Base-T; IEEE802.3u;100Base-TX/FX IEEE802.3ab 1000Base-T; IEEE802.3z 1000Base-X; IEEE802.3x;
Forwarding Mode	Store & Forward
LED Indicators	Power: PWR, Link: Link/Act
Power Supply Internal Terminal Block	Input Power: 2 x 10 ~ 58VDC
Option Power Supply Internal	24VDC or 48VDC Optional
Power Protection	Circuit Breaker
Operating Temperature	-25 to +75 °C
Storage Temperature	-25 to +75 °C
Relative Humidity	5% ~ 95% (No Condensation)
Metal Shell Cover Rating	IP40
Mean Time Between Failure (MTBF)	300,000 Hours
Dimensions/Installation	118mm x 86mm x 34mm /DIN Rail Mtg
Product Warranty	12 Months

**[www.ksm.com.au](http://www.ksm.com.au)**

**Tel: 0061(0)2 8003 3372 Email: [sales@ksm.com.au](mailto:sales@ksm.com.au)**