

**OSD2052 MICRO 10/100Base-T to 100Base-Fx
3-PORT SWITCH**



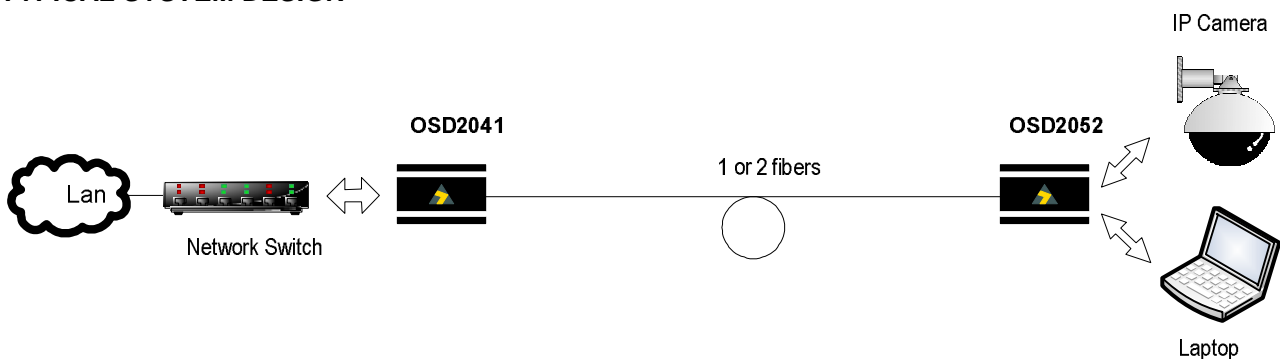
APPLICATIONS

- ▲ Any network utilising a mix of copper and fiber
- ▲ Industrial IP communications
- ▲ IP Camera systems with local IP requirements such as access control, variable message signs, etc

FEATURES AND BENEFITS

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| <ul style="list-style-type: none"> ▲ Two 10.100Base-T RJ45 ports and one SFP fiber port. ▲ Complies with the IEEE 802.3 standard. ▲ Supports network traffic of 10 or 100Mbps. ▲ Automatic TP setup: no need for crossover cables. ▲ Auto-sensing of half or full duplex operation. ▲ Automatic setup for 10 or 100Mbps on copper side. ▲ A very compact design that fits in the camera housing | <ul style="list-style-type: none"> ▲ Available for singlemode, multimode operation over a variety of link budgets ▲ Available for operation over 1 or 2 fibers. ▲ Powered by non-critical 12VDC or 24VAC supplies ▲ Operates over the temperature range of -20 to +75°C ▲ Utilizes 100Base-Fx SFP transceivers that can be selected according to specific length or fiber requirements without changing the whole unit. ▲ SFP Module sold separately. |
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TYPICAL SYSTEM DESIGN



ORDERING INFORMATION

OSD2052	Micro standalone 10/100BaseT - 100BaseFx 3-Port Switch
OSDSFP100LFx	2-fiber 100Base-Fx 1310nm SFP Plugin Module with LC connectors for up to 10km
OSDSFP100FxA	Single fiber SFP Plugin Module with an SC connector for up to 10km (TX @ 1310nm, Rx@1550nm)
OSDSFP100FxB	Single fiber SFP Plugin Module with an SC connector for up to 10km (TX @ 1550nm, Rx @ 1310nm)



SPECIFICATIONS

ELECTRICAL

Data Interface	IEEE 802.3 Ethernet
Data Rate	10/100Mbps
Operating Mode	Half or full duplex
Data Connectors	RJ45, one mounted on the front panel and the other on the rear panel

OPTICAL

Optical Interface	100Base-Fx
Optical Port Connector	SFP (LC connectors for 2-fiber operation and SC for 1-fiber operation)
SFP Options	OSDSFP100LFX – 2 fiber, SFP Plug-in Transceiver @1310nm OSDSFP100WLFxA –1 fiber, SFP Plug-in Transceiver (Tx @1310nm, Rx @ 1550nm) OSDSFP100WLFxB –1 fiber, SFP Plug-in Transceiver (Tx @1550nm, Rx @ 1310nm)
Transmit Optical Power	-15 to -8dBm into singlemode fiber (See SFP datasheet for options)
Receiver Sensitivity	<-33dBm
Receiver Saturation	>-3dBm
Standard SM Optical Link Budget	>18dB: >10km on multimode fiber @ 1310nm >40km on singlemode fiber @ 1310nm

NOTE: Special configurations to cover longer distances also available. Contact OSD for a full listing of available options

PHYSICAL

Operating Temperature Range	-20 to +75°C
Relative Humidity	0 to 95% non-condensing
Power Requirements	+8V to 35V DC or 22 to 28VAC @ 3VA
Power Connector	3.5mm 2-way terminal block on the module
Indicators	TP activity TP link speed Power indicator Fiber link activity
Dimensions of Module (mm)	52W x 55D x 26H
Weight of Module (kg)	0.1