

**OSD2154P MICRO 10/100/1000Base-T to 1000Base-X
3-PORT SWITCH with PoE++ SOURCE**

APPLICATIONS

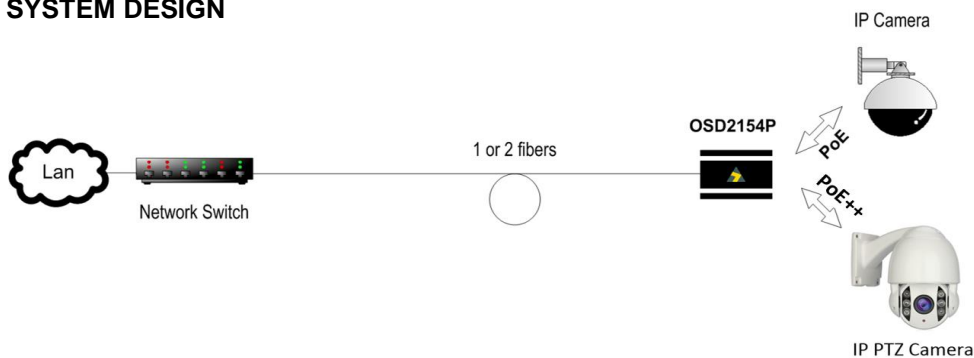
- ▲ Any network utilising a mix of copper and fiber
- ▲ Industrial IP communications
- ▲ Gigabit backbone networks
- ▲ Networks using Power over Ethernet devices such as cameras, intercoms, access control, telephones, etc



FEATURES AND BENEFITS

- ▲ Complies with IEEE802.3i/802.3u/802.3ab 10/100/1000Base-T, IEEE802.3z 1000Base-Lx/Sx standards
- ▲ Supports network traffic of 10,100 or 1000Mbps
- ▲ Has two fixed 10/100/1000Base-T copper ports and one SFP port which can be 100Base-Fx or 1000BaseLx/Sx/Zx
- ▲ Auto MDI/MDIX
- ▲ Can be used with either singlemode or multimode fiber over a variety of link budgets
- ▲ Complies with the IEEE802.3af and IEEE802.3at standards
- ▲ Provides up to 60W (90W optional) to each RJ45 port. Single and dual signature PD detection with OSD's unique automatic PoE configuration software
- ▲ User selectable manual PoE setup
- ▲ Web browser based Graphical User Interface (GUI) with user selectable non-GUI mode
- ▲ Available for operation over 1 or 2 fibers
- ▲ Powered by a non-critical 50VDC supply
- ▲ Operates over the temperature range of -20 to +75°C
- ▲ PoE ports are available for single or dual signature powered device (PD)
- ▲ Supports IEEE802.af/at Alternative A and B cable wiring
- ▲ Remote PoE on/off control and status monitoring
- ▲ Supports 10KB jumbo frames
- ▲ SFP module sold separately
- ▲ DIN rail or surface mounting

TYPICAL SYSTEM DESIGN



ORDERING INFORMATION

- | | |
|--------------|---|
| OSD2154P | Micro 10/100/1000Base-T to 100Base-Fx/1000Base-X 3-port Switch with 60W PoE on each RJ45 port |
| OSD2154P/90W | High Power version of OSD2154P with 90W PoE available on each RJ45 port |
| SFP Module | See OSD SFP datasheet #1021000XX |



SPECIFICATIONS

ELECTRICAL

Electrical Data Interface	IEEE802.3i/802.3u/802.3ab, 10/100/1000Base-T Ethernet
Electrical Data Rate	10, 100, 1000Mbps with energy detect, auto negotiate, auto MDIX
Jumbo Frame Support	10KB
Optical Data Interface	IEEE802.3z 1000Base-Lx/Sx or IEEE802.3u 100Base-Fx
Optical Data Rate	100Mbps or 1000Mbps
Operating Mode	Half or full duplex for 10/100 Full duplex for 1000 Flow control
Data Connectors	RJ45
PoE	IEEE802.3af, IEEE802.3at and PoE++ (60W) with 90W optional Supports single or dual signature powered devices (PD)
Operating Mode	Alternative A & B (Pins 1/2, 3/6, 4/5, and 7/8)

MANAGEMENT

Standard Interface	Web browser based Graphical User Interface (GUI)
Dipswitch Control	1. 100 or 1000Mbps on fiber 2. Program 3. Hi-PoE Enable/Disable

OPTICAL

Optical Port Connector	SFP (LC connectors for 2-fiber operation and SC for 1-fiber operation)
SFP Options	Short haul, long haul, single fiber operation, etc. Please consult OSD datasheet #1021000XX or contact OSD

PHYSICAL

Operating Temperature Range	-20 to +75°C
Relative Humidity	0 to 95% non-condensing
Power Requirements	+46VDC to +57VDC @ 6W plus up to an extra 124W for 60W/port and 184W for 90W/port PoE operation (attached powered device dependent) ≥52VDC recommended for PoE+ or ≥55VDC for 60W and 90W PoE
Power Connector	2-way 3.5mm terminal block
Indicators	2x Copper Link/Activity on RJ45 2x Copper Speed on RJ45 2x PoE Enable/Disable 1x Power On/Off 1x SFP Link/Speed on SFP
Dimensions (mm)	90W x 88D x 49H
Weight (kg)	0.3