

**OPTICAL
SYSTEMS
DESIGN**



Engineered Fiber and Ethernet Networking



Industrial Ethernet

Fast Ethernet

- **OSD2041** 10/100Base-T media converter
- **OSD2041PSS** 10/100Base-T Power Substation approved media converter
- **OSD2043** 10/100Base-T commercial grade media converter
- **OSD2044** 10/100Base-T 5-port switch
- **OSD2051** Miniature 2-Port 10/100Base-T media converter
- **OSD2052** Miniature 3-Port 10/100Base-T Switch media converter



Gigabit Ethernet

- **OSD2151** 10/100/1000Base-T media converter
- **OSD2153** Miniature 10/100/1000Base-T media converter with jumbo frame support
- **OSD2155** 10/100/1000Base-T media converter card with jumbo frame support
- **OSD2156** 3 port 10/100/1000Base-T switch card with jumbo frame support
- **OSD2166** Commercial grade 10/100/1000Base-T media converter
- **OSD2138** Unmanaged 3-Port switch with 2 duplex contact closure channels
- **OSD2139** Unmanaged 3-Port switch with 2 duplex data channels and 2 duplex contact closure channels
- **OSD2140** Four to one (or three to two) Ethernet multiplexer
- **OSD2144A** 5-Port 10/100/1000Base-T switch
- **OSD2175** 240VAC or 48VDC telco 10/100/1000Base-T to 100Fx/1000Lx/Sx/Zx media converter supporting jumbo frame, LLF, loop back testing and SyncE
- **OSD2176** 240VAC or 48VDC telco 10/100/1000Base-T to 100Fx/1000Lx/Sx/Zx media converter supporting jumbo frame, LLF, loop back testing and SyncE





Industrial Ethernet

- **OSD2244** 5-Port 10/100/1000Base-T redundant ring switch
- **OSD2251A** DIN-Rail 4-port industrial Ethernet switch with redundant ring operation, SNMP and optional VLANs
- **OSD2254** DIN-Rail 6-Port industrial Ethernet switch with redundant ring operation, SNMP and optional VLANs
- **OSD2258** DIN-Rail 10-Port industrial Ethernet switch with redundant ring operation, SNMP and optional VLANs
- **OSD2260** Industrial DIN-Rail 12-Port Switch with redundant ring operation and low power mode
- **OSD2512** Managed Industrial 12-Port 10/100/1000BaseT + 2 x 1G SFP ports
- **OSD2524** Managed Industrial 20-Port 10/100/1000BaseT + 4 x 1G Combo ports + 2 x 1G trunk SFP ports 1RU layer 2 Ethernet switch
- **OSD2790SFP** Managed Industrial 24-Port 100/1000Base-SFP + 4 x 1000Base-SFP 1RU layer 2/3 Ethernet switch



10GbE

- **OSD2801** Industrial DIN-Rail 10GbE media converter
- **OSD2888** Managed Industrial 12-Port 10/100/1000BaseT + 4 x 10Gb SFP 1RU layer 2/3 Ethernet switch
- **OSD2890** Managed Industrial 24-Port 10/100/1000BaseT + 4 x 10Gb SFP 1RU layer 2/3 Ethernet switch
- **OSD2890SFP** Managed Industrial 24-Port 100/1000Base-SFP + 4 x 10Gb SFP 1RU layer 2/3 Ethernet switch
- **OSD2892** Managed Industrial 36-Port 10/100/1000BaseT + 4 x 10Gb SFP 1RU layer 2/3 Ethernet switch





Industrial Ethernet

PoE (Power over Ethernet)

- **OSD2043P** Commercial grade 10/100Base-T PoE+ media converter with jumbo frame support
- **OSD2053P** Miniature 10/100BaseT PoE+ media converter
- **OSD2054P** Miniature 3-port 10/100BaseT PoE+ switch
- **OSD2153P** Miniature 10/100/1000BaseT PoE++ media converter with jumbo frame support
- **OSD2154P** Miniature 3-port 10/100/1000BaseT PoE++ switch
- **OSD2167** Commercial 10/100/1000BaseT PoE media converter with fixed SC connectors
- **OSD2168** Commercial 10/100/1000BaseT PoE+ media converter with fixed SC connectors
- **OSD2175P** 240VAC or 48VDC telco 10/100/1000BaseT to 100Fx/1000Sx/Lx/Zx PoE+ media converter supporting jumbo frame, LLF, loop back testing and SyncE
- **OSD2176P** 240VAC or 48VDC telco 10/100/1000BaseT to 100Fx/1000Sx/Lx/Zx PoE+ media converter supporting jumbo frame, LLF, loop back testing and SyncE
- **OSD2251P** DIN-Rail 4-port PoE++ redundant ring Ethernet switch
- **OSD2252P** DIN-Rail 6-port PoE+++ redundant ring Ethernet switch
- **OSD2254P** DIN-Rail 6-port PoE++ redundant ring Ethernet switch
- **OSD2258P** DIN-Rail 10-port PoE++ redundant ring Ethernet switch
- **OSD2512P** Managed Industrial 12-Port 10/100/1000BaseT PoE++ with 2 x 1G SFP ports





Industrial Ethernet

- **OSD2524P** Managed Industrial 20-Port 10/100/1000BaseT PoE++ with 4 x 1G combo ports + 2 x 1G trunk SFP ports 1RU layer 2 Ethernet switch
- **OSD2888P** Managed Industrial 12-Port 10/100/1000BaseT PoE+ with 4 x 10Gbe combo ports 1RU layer 2/3 Ethernet switch
- **OSD2890P** Managed Industrial 24-Port 10/100/1000BaseT PoE+ with 4 x 10Gbe SFP 1RU layer 2/3 Ethernet switch
- **OSD2892P** Managed Industrial 36-Port 10/100/1000BaseT PoE+ with 4 x 10Gbe SFP 1RU layer 2/3 Ethernet switch



PoE Injectors + Extenders

- **OSD2010** Industrial fiber mode converter
- **OSD2905** Miniature Fast Ethernet extender
- **OSD2910** Miniature Gigabit PoE++ extender
- **OSD2920** Gigabit PoE++/Non-PoE extender
- **OSD2930** Gigabit PoE+++ extender with multiple power sources
- **OSD2971/48V** Gigabit PoE+ injector powered from 48VDC
- **OSD2971/240V** Gigabit PoE+ injector powered from 240VAC
- **OSD2975** Gigabit PoE++ injector powered from 20 to 60VDC
- **OSD2977** Gigabit PoE+++ injector powered from 20 to 57VDC





Surveillance & Serial Data

1-Channel Analog Video

- **OSD8810** Micro digital video transmission modules with optional stereo audio
- **OSD8815** Multimode or singlemode 10-bit digital video transmission modules with optional stereo audio
- **OSD8817** 1-fiber multimode or singlemode micro 10-bit digital video + duplex data + 1 duplex CC transmission modules
- **OSD8826** 1-fiber multimode or singlemode 10-bit digital video + duplex data transmission modules
- **OSD8838** 1-fiber multimode or singlemode 9-bit digital video + 3 duplex data + 10/100BaseT Ethernet transmission modules with optional 2-channel duplex audio



4-Channel Analog Video

- **OSD8600S/4V** Digital 4-Channel Video/Data/Ethernet multiplexer



8-128 Channel Analog Video

- **OSD8600S/8V** Digital 8-Channel Video/Data/Audio/Ethernet multiplexer
- **OSD8600S/XV** Digital 12-128 Channel Video/Data/Audio/Ethernet multiplexer



Data Transmission

- **OSD135** Asynchronous RS422 transceiver
- **OSD136** Full duplex Synchronous/Asynchronous RS232 transceiver
- **OSD138** Universal RS232/RS422/RS485 transceiver
- **OSD139** RS232 Asynchronous transceiver
- **OSD151** High speed RS422/TTL Synchronous/Asynchronous transceiver
- **OSD157/RS232** 8-Channel Synchronous/Asynchronous RS232 transceiver
- **OSD157/RS422** 6-Channel Synchronous/Asynchronous RS422 transceiver





Industrial Data, Broadcast & RFOverFiber

Redundant Ring Data

- **OSD1250** Redundant ring universal RS232/RS422/RS485 transceiver



SSI Railway Signalling

- **OSD1240** SSI Railway Signalling System transceiver
- **OSD1270** SSI Optical Data Link Module (ODLM)



3G-SDI

- **OSD8220** 1-channel 3G HD/SDI miniature transmission system
- **OSD8224** 4-channel 3G HD/SDI transmission system
- **OSD8227** 1-channel 3G HD/SDI transmission system with 2 monitoring outputs
- **OSD8320** Analog video + 3G HD/SDI + 2 analog audio + 3 duplex data transmission system
- **OSD8327** 1-channel 3G HD/SDI + Duplex data with 2 monitoring outputs



CATV (30MHz to 860MHz)

- **OSD481** 60-Channel CATV/RF transmitter (30 to 860MHz)
- **OSD483** 60-Channel CATV/RF receiver (30 to 860MHz)



RFOverFiber (10MHz to 2.5GHz)

- **OSD9003** Wideband RF transmitter module with manual gain control
- **OSD9004** Wideband RF receiver module with automatic or manual gain control





Alarm & Audio Systems

Alarms

- **OSD158** 8-Channel alarm transmission system
- **OSD159** 8-Channel duplex alarm transmission system



Audio

- **OSD730** Digital full duplex 4-Channel audio/data multiplexer
- **OSD732S** 1-4 Channel Telephone multiplexer
- Please also refer to **OSD8810, OSD8815, OSD8838 & OSD860S** video products in the Surveillance & Industrial Data section



Accessories

- **OSD370B** 3RU high standard OSD chassis for 14 cards + 1 power supply
- **OSD350B** 3RU high standard OSD chassis for 12 cards + 2 power supplies
- **OSD3700** 2RU high standard OSD chassis for 18 cards + 1 power supply
- **OSD921** 3RU high 240VAC to 12VDC power supply card for the OSD370B + OSD350B
- **OSD9221** 2RU high 240VAC to 12VDC power supply card for the OSD3700



Engineered Communications Solutions

- OSD builds products designed to be flexible and tough.
- OSD can adapt existing products or custom design new ones.
- OSD engineers will work with you to achieve the best combination of price, performance and quality.

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