**Product Overview**

# MICROSENS
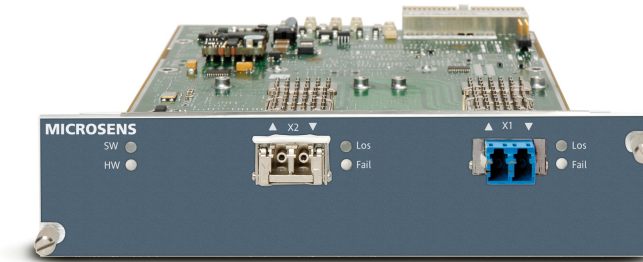
# 10G LAN/WAN Protocol Converter



## Description

The MICROSENS Protocol Converter allows service providers to use their existing OC-192/STM-64 networks for the transport of 10 Gigabit Ethernet. For carriers and their customers, this eliminates the need for expensive 10G WAN interface on their router.

The Protocol Converter is a two slot module that fits in both of MICROSENS chassis. It is a cost-effective solution for connecting 10 Gigabit LAN switches to OC-192/STM-64 SONET/SDH and DWDM networks by converting between 10G LAN PHY to 10G WAN PHY.

The 10GbE LAN payload from the access port is mapped into an OC-192/STM-64 framing format and is transported from the line port at wire speed. The module incorporates a flow control mechanism and if the LAN traffic exceeds the capacity of the OC-192/STM-64 link, it will generate MAC pause frames to the source device.

This module can also drop frames coming through its ingress client port in order to match the data rate of the 10G WAN egress port.

## Properties

- Connect 10G Ethernet equipment to OC-192/STM-64 networks
- Leverage existing SONET/DWDM network
- Eliminates the need for expensive router interfaces
- XFP pluggable interfaces
- DDM support for optical interfaces
- Complete performance monitoring and management via SNMP or MICROSENS Web GUI
- Hot swappable, Plug and Play operation
- In-band 10Mb channel (DCC) for remote management

# Order Information

| Description | Article Number |
| --- | --- |
| **10G Transponder with Protocol Conversion** | |
| 10G Transponder with Protocol Conversion, 10G LAN to 10G WAN, Line Port 1&2: 2x XFP Slots (XFPs not included) | **MS430572M** |

# Accessories

| Description | Article Number |
| --- | --- |
| XFP 10 Gbps pluggable transceiver, multimode 850nm LC | **MS100400D** |
| XFP multiprotocol 10.5 Gbps pluggable transceiver, single mode 1310nm LC 10 km | **MS100411D** |
| XFP multiprotocol 10 Gbps pluggable transceiver, single mode 1550nm LC 40km | **MS100420D** |
| XFP multiprotocol 10 Gbps pluggable transceiver, single mode 1550nm LC 80km | **MS100430D** |