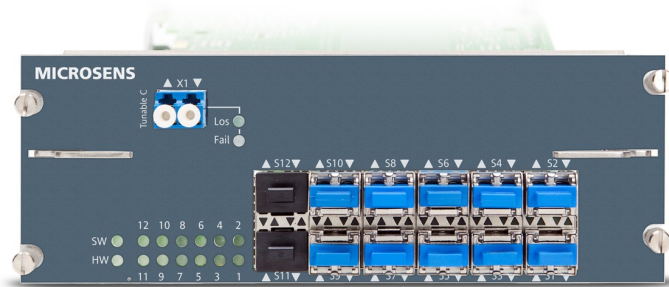# MICROSENS

**Product Overview**

# 100G Long Haul Muxponder



## Description

MICROSENS has enhanced its 100G Product lines with the pluggable version of the 100G Transponder and 100G Muxponder.

Adding to the 1RU solution available since 2012, these new versions are compatible with EKINOPS chassis already installed in the field. This offers much more flexibility for new or greenfield network deployments or upgrades of existing MICROSENS systems.

The total capacity of the MSP3700 chassis can be tripled by moving from 10G to 100G products.

These new 100G modules are managed like any other module in an MICROSENS chassis, without need for additional power supply or management interface.

The 100G Muxponder is designed with 12 aggregation ports instead of the typical 10 ports offered by other manufacturers.

Where it does not make sense to multiplex lower rate services directly on the 100G Muxponder, due to aggregation port limits, the 10G flexible multiplexer can be plugged directly into ports on the 100G Muxponder, allowing for aggregation without an expensive fabric or another device.

## Properties

- Module compatible with MICROSENS chassis already installed in the field
- Cost-optimized solution for 100G applications
- Highly compact:
    - up to 6 x 100G in 7RU
    - up to 3 terabits per rack

- Total capacity per chassis multiplied by 3 compared with 10G solutions
- Robust aggregation allows for multiplexing of services other than 10G directly on the muxponders
- Flexible aggregation of a wide variety of services and rates when used with the 10G multiprotocol TDM multiplexer

# Order Information

| Description | Article Number |
|---|---|

### 100G Pluggable Modules Ultra Long Haul

| | |
|---|---|
| 100GbE Ultra Long Haul Muxponder Module, 10 client ports (10GE), 1 Line Port – 100G with DCC and VOA, SFP+ Client and Tunable FFI Line Interface (SFP+ not Included, DWDM FFI Included). Compatible with MS430504M and MS430501/3M chassis. | **MS430931M** |

### 100G Pluggable Modules Long Haul

| | |
|---|---|
| Aggregation and Transport Module, Multi-Protocol, 10 Local Ports, 1 Line Ports, 8G FC, 10G FC, OC-192/STM-64,OTU2, OTU2e, 10GigE with DCC, 1 100G Line Port, SFP+ Clients and Tunable FFI Line Interface (SFP+s Not Included, DWDM FFI Included).Compatible with MS430504M and MS430501/3M chassis. | **MS430902M** |
| Aggregation and Transport Module, 10 Access Ports, 1 Line Ports - 40 GigE and 10GigE with DCC, 1x 100G Line Port, SFP+ Clients and Tunable FFI Line Interface (SFP+s Not Included, FFI Included), Compatible with MS430504M and MS430501/3M chassis. | **MS430906M** |