

## Product Overview

### 100G Metro Access Transponder



## Description

MICROSENS is leading the industry with a true coherent 100G access unit to address the increasing bandwidth demand seen in today's metro and access markets. The growth in the number of data centers located in metro networks combined with the growth of high speed Ethernet business services is causing unprecedented demand for access capacity and putting pressure on metro networks to deliver. While non-coherent based optics may deliver attractive price points, the market has shown a clear preference for coherent transport because it delivers four times the spectral efficiency and superior transport performance.

MICROSENS designed the 100G Metro Access Transponder specifically for the access market so they deliver maximum performance at low cost for higher and faster ROI. The modules all use pluggable client optics for easy interconnection to customer equipment and tunable line optics supporting all 88 DWDM channels so they can carry up to 8.8 Tbps on a single fiber without compromising performance. The modules are very compact delivering 2x100G units in only 2RU and highly power efficient at just over 1W per gigabit of transport bandwidth. Combining this with ease of operation, unmatched price points and superior performance makes MICROSENS the clear choice in 100G solutions.

## Properties

- 100G Coherent Metro-Access transponder for delivery of 100GbE services
- CFP-based pluggable client optics
- 85% better space efficiency and simplified sparing by replacing ten 10G modules with a single 100G coherent module
- Single-carrier transport for greater spectral efficiency compared to multi-carrier non-coherent solutions
- Support for up to 88 100G channels
- Metro scalability in a small form factor, with 200G in 2RU or 600G in 7RU
- Multiple OPEX benefits including having fewer channels and no DCM to manage and consumes less space and power — 1W per gigabit delivered
- 120 km reach

# Order Information

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## Article Number

### **100G Pluggable Modules Metro Access**

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100GbE Metro Access Transponder-Module , one 100GbE client port, 1 Line Port – 100G with DCC and FEC, CFP Client and Tunable FFI Line Interface (CFPs Not Included, DWDM FFI Included). Compatible with MS430504M and MS430501/3M chassis.

**MS430908M**

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