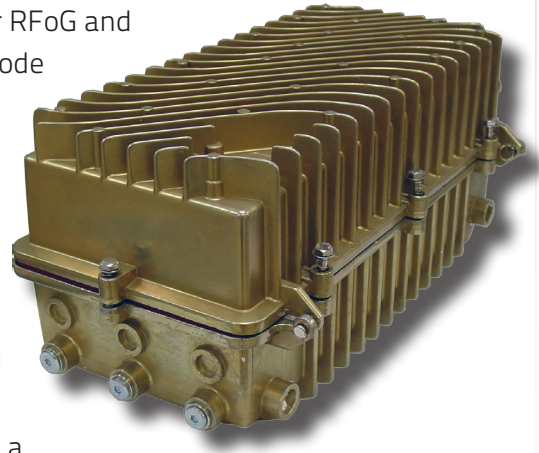


## mNODE

RUS

# MODULAR OPTICAL NODE FOR DEEP FIBER AND RFOG

The mNode series is a fully integrated optical node designed for RFOG and deep fiber applications. In place of a conventional node, the mNode can reach a fiber based subscriber in the most costefficient way, providing a flexible transport solution for up to 256 subscribers with one node. Even though the standard mNode configuration suits most providers specifications, the mNode has a modular upgradable design that can be configured to fit any RFOG system. With our patented multiple wavelength technology, the mNode provides an optical upgrade solution that is also fully compatible with existing HFC/CATV infrastructure and installation. The mNode comes in a weather resistant housing that is designed to operate in outdoor temperatures, which makes it ideal for placement into any network. The mNode is also RUS accepted and listed.



## FEATURES

- Highly reliable EDFA up to +26 dBm
- Dual pump lasers
- 8 ports, each supporting 32 mini-nodes
- Supports up to 256 subscribers/mNode
- Dual return path lasers<sup>2</sup> with CWDM
- Patented multiple wavelength technology
- Weather resistant outdoor housing
- Outdoor qualified
- RUS listed/accepted, meets Buy American



The mNode is ideal for the following applications:

- RUS/USDA funded projects
- HFC to RFOG and deep fiber
- Compatible with xPON networks
- 4G LTE Backhaul

Customizable options:

- Optical Output power
- Number of return lasers
- Return-path wavelengths
- Subscriber port number
- Waterproof fiber patchcords

## ORDERING

mNode-23-2-8

mNode-24-2-8

mNode-23-1-4

To order, please contact your distributor.

## AVAILABILITY

**In Stock** and ready to ship

For more information, contact Optilab.

Optilab.com | sales@optilab.com

888-553-3888

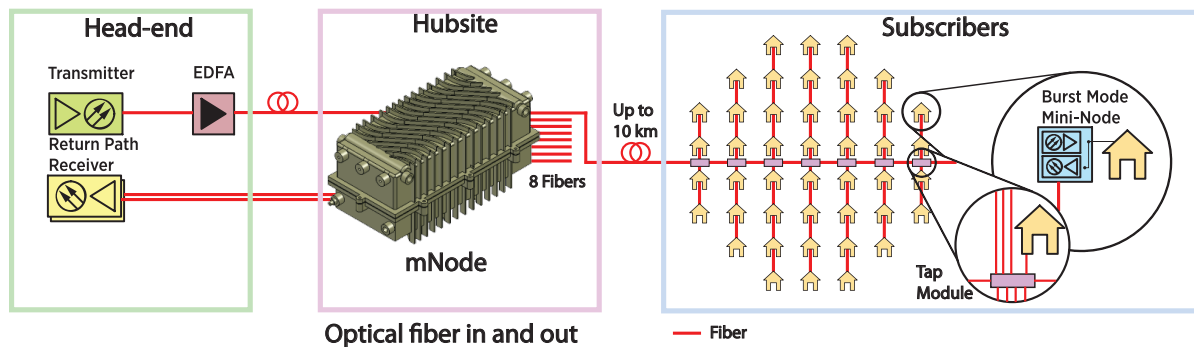
\*Small quantities always in stock, for larger quantities, please consult with your distributor

# MODULAR OPTICAL NODE FOR DEEP FIBER AND RFOG

## FEATURED SPECIFICATIONS

Specifications	
Forward-Path Operating Wavelengths	1535 nm to 1565 nm
EDFA Output Power Levels	+23 dBm to +26 dBm
Return-Path Receiver Wavelength Range	1310 ± 20 nm (standard), 1610 ± 20 nm (RFOG)
Return-Path Transmitter Laser Wavelength	Dual 1310, 1570 nm typ. CWDM available
Subscriber Ports	8 typ., 4, 16 ports available
Output per Subscriber Port	13 dBm min. (with +23 dBm EDFA, 8 ports) 16 dBm min. (with +26 dBm EDFA, 8 ports)
Operating Temperature Range	-40°C to +60°C

Because of the customizable nature of the mNode, and the unique characteristics of each network, a customer should contact Optilab or their local representative in order to configure the mNode in order to meet their requirements. Optilab will work with the customer to provide a cost-effective mNode solution and provide them with a competitive quote.



As deeper fiber and RFOG technology has become much more cost efficient and powerful, it is now a more viable solution for MSOs to expand their network. Service providers can create an

### FOR MORE INFORMATION

For more information on the mNode, a brochure is available by request.

RFOG system by replacing the conventional HFC node with fiber lines. Optilab's mNode is the key to an all-fiber network, and provides a versatile transport solution for up to 256 subscribers per each node.