

# 2 PORT OPTICAL NODE [ON-x-2-1-x-R-x]

Fiber Products, Optical Nodes

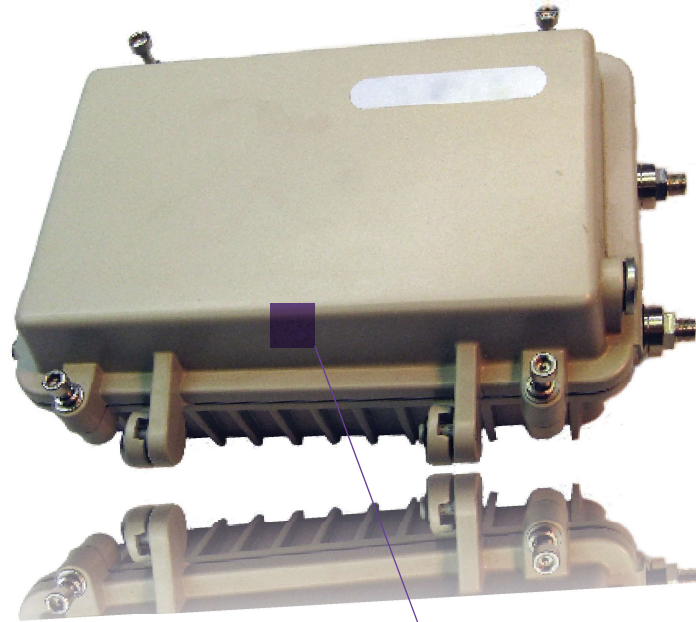
# TaiTin

## Description

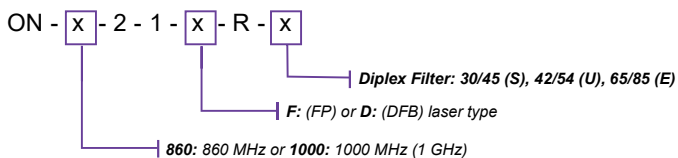
Taikan's 2 port Optical Node is an ideal platform for delivering video (digital or analog) as well as high-speed data services over advanced hybrid fiber / coax (HFC) network. This unit combines the superior proven technologies of the RF amplifier with the modular design of the fiber components, allowing Taikan's optical node to provide the full complement of functions required by advanced networks.

## Features

- Two High Level Output Ports with GaAs Power Double Amplifier Module
- Rugged Weather Resistant Outdoor Diecast Case
- Switchable Power Supply
- Easy Operation with an LED Display to Show the Optical Level
- -20 dB Level for Output Test



## Ordering Information



**FP Advantage:** Economical and ideal for less stringent performance systems.

**DFB Advantage:** Designed for high capacity return(upstream) traffic and analog video carrier transmission.

Model Number	Description	Box Weight	Dimensions (L x W x H)
ON-860-2-1-x-R-x	860 MHz 2 Port Optical Node	2.2 kg / 5 lbs	9.5 x 8.5 x 4.5 in. (24 x 21.5 x 11.5 cm)
ON-1000-2-1-x-R-x	1 GHz 2 Port Optical Node	2.2 kg / 5 lbs	9.5 x 8.5 x 4.5 in. (24 x 21.5 x 11.5 cm)

**Forward(Downstream) Optical Receiver Module**

<b>Optical Wavelength</b>	1000 ~ 1600 nm
<b>Input Optical Reflection Loss</b>	> 45 dB
<b>Photoelectric Module Response</b>	0.85 A/W
<b>Max Optical Input Power</b>	3 mW
<b>Optical Input Test Point</b>	1 ± 0.2 V/mW

**RF Amplifier Characteristics**

<b>Forward(Downstream) Bandwidth (Option)</b>	45-860 (or optional 45-1000) MHz
<b>Frequency Response</b>	0.75 dB
<b>Output Reflection Loss</b>	≥ 15 dB
<b>Output Level</b>	102 dBuV
<b>Distortion: CTB</b>	≥ 65 dB
<b>Distortion: CSO</b>	≥ 62 dB
<b>Test Level</b>	59 Analog Channels +200 MHz Digital   -20 dB

**Return(Upstream) Optical Transmission (Optional)**

<b>Bandwidth</b>	5-100 MHz
<b>Diplex Filter (Option)</b>	30/45, 42/54, 65/85 MHz
<b>Optical Output Power Level</b>	1 mW
<b>Wavelength</b>	1310 nm
<b>Optical Connector</b>	SC / APC

**Electrical Characteristics**

<b>Voltage</b>	60 V AC: 30 V - 70 V AC or 220 V AC: 150 V - 265 V
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