FTTH Optical Network Unit OHM-03

Description:

Optical multimedia device, compact solution for homes and small offices.
The device is destined for converting optical to electrical signals at the end user site and is capable to deliver:
Digital, Digital HD (High Definition) and Analog Television
Ethernet with a speed up to 100 Mb/s

Features:

- Automatic Level Control (ALC) system for automatic maintaining of constant output TV signal level in wide input optical power range (-9 to +2dBm)
- LED indication of input optical power
- RF output capable to supply several TV sets
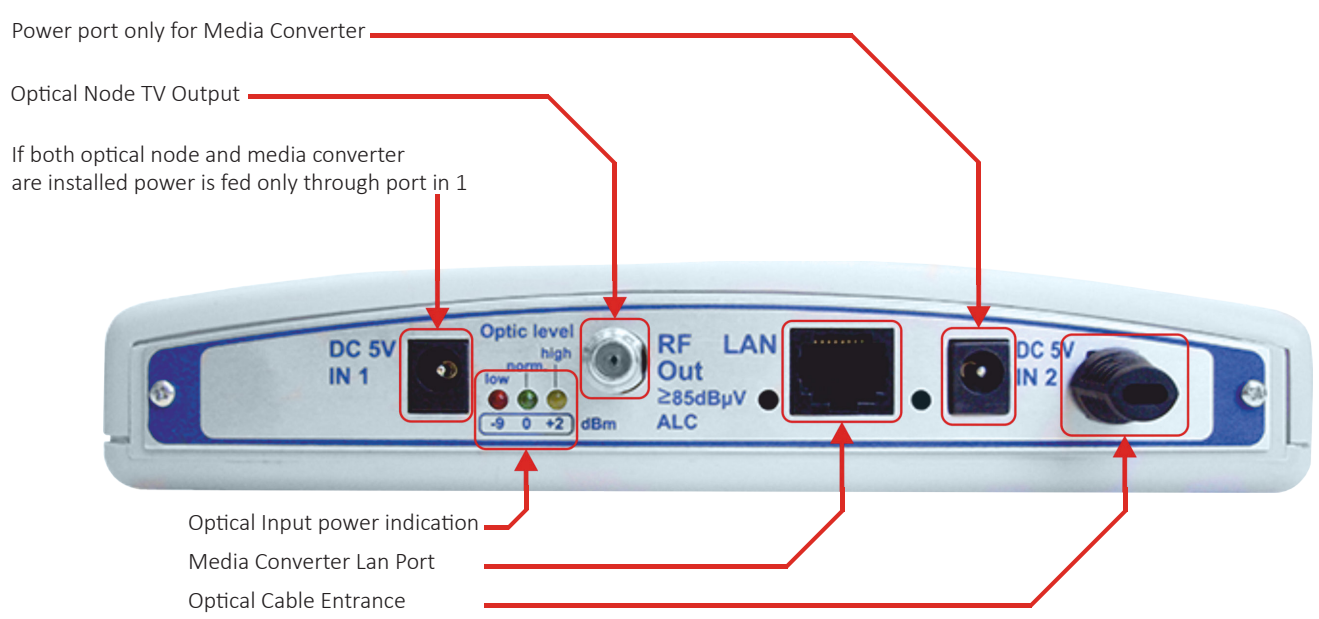- Extremely low power consumption

862MHz   **ALC**   **1.7W**

Technical Specifications	
Optical Node	
Wavelength	1290 ± 1600nm
Optical Return Loss	> 40dB
Output Return Loss	> 18dB @ Z=75Ω
Connector	SC/APC
Bandwidth	47 ÷ 862 MHz
Input Optical Power	-9 ÷ +2dBm
Gain Flatness	± 0.5dB
Output RF Levels[1]	≥ 85dBμV
Optical input power LED indication	Yellow, High: > +2dBm Green, Normal: +2 ÷ -9dBm Red, Low: < -9dBm
Connector	SC/APC

Technical Specifications	
Media Converter[3]	
Wavelength[2]	Tx-1310nm/Rx-1550nm Tx-1550nm/Rx-1310nm
Optical Connector	SC, SM, Bidi
Ethernet Port	RJ-45; 100 Mb/s
Max. optical fiber length	25 km

General Specifications	
Supply Voltage	5 VDC ± 10%
Power Consumption	1.7W / 3W[4]
Operating Temperature	0 ÷ +50°C
Dimensions	190x150x40mm
Dimensions	0.400 kg/0.430 kg[4]

1) @ -9 ÷ +2dBm & 3.5% OMI/Channel
2) Applicable Standards: IEEE802.3, IEEE802.3u, IEEE802.3x, IEEE802.1p
3) Optional Equipment
4) Valid only when the device is equiped with Media Converter

OHM-03 Technical

DTK

OHM-03 Block Scheme

Power port only for Media Converter

Optical Node TV Output

If both optical node and media converter are installed power is fed only through port in 1

Optical Input power indication

Media Converter Lan Port

Optical Cable Entrance

For more information contact us at office@dtk-electronics.com or +35929718511