

# NAREIDA Fiber to Fiber Media Converter



## NAREIDA

- Fiber media conversion
- Signal amplitude regeneration
- 155Mbit/622Mbit/1.25Gbit/s transmission speed (depending on device version)
- SC/PC connectors
- Port status LED signalization
- Supply voltage range 12-60V DC (230VAC/48VDC power adapter can be attached)
- Provides multimode to single-mode and dual to single-fiber media conversion
- Provides wavelength conversion for CWDM applications

**NAREIDA** is unmanaged fiber to fiber media converter. **NAREIDA** features make the end to end fiber link completely transparent. This allows for more efficient troubleshooting and less on-site maintenance.

Converter supports 155Mbit/s – 1.25Gbit/s transmission speed. Device supports wide range of optical interfaces (exact type of optical interfaces depends on device version) . **NAREIDA** is protocol and data format transparent therefore converter supports Gigabit Ethernet , SDH (STM-1/4) , ATM and others typical applications.

**NAREIDA** regenerates signal amplitude.

A standard application is presented in the drawing below :



NEREIDA is powered from DC voltage from 12 to 60V power supply or from an external device attached to, in the case of AC voltage. Total power consumption of the device does not exceed 5 Watts.

## PARAMETERS

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| <b>Optical ports</b> <ul style="list-style-type: none"><li>• 155Mbit/622Mbit/1.25Gbit/s transmission speed</li><li>• SC/PC connectors</li><li>• SM, MM, WDM, 1310nm, 1550nm, 665nm (POF)</li><li>• Fibre type 9/125um, 62,5 / 125um, 980/1000um</li><li>• Ranges depending on the type of optical port<br/>15km, 50km, 120km (1550nm), 20km WDM, 40km WDM, 60km WDM, 100km WDM, 300m (POF)</li></ul> | <b>Power Supply</b> <ul style="list-style-type: none"><li>• Supply voltage range 12 to 60V DC</li><li>• Attached 230VAC/48VDC power adapter</li><li>• Up to 5W power consumption</li></ul> |
| <b>Dimensions</b> <ul style="list-style-type: none"><li>• Housing 103 x 77 x 53mm</li><li>• Suitable for mounting on DIN rail</li><li>• Weight 0,3 kg</li></ul>  | <b>Environmental Parameters</b> <ul style="list-style-type: none"><li>• Ambient temperature + 5 - + 40°C</li><li>• Relative air humidity 80% in temperature + 20°C</li></ul>               |
| <b>Regulatory approvals</b> <ul style="list-style-type: none"><li>• Immunity EN55024, EN55024</li><li>• Electrical Safety EN60950</li></ul>  |  |

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