



# NV-100SFP

Long Reach Ethernet over VDSL2 SFP

The Netsys NV-100SFP-M/S/T LREoVD2 SFP is an MSA compliant Small-Form Factor Pluggable module that enables traditional Ethernet switch, media converter and other network appliance to connect beyond typical Ethernet coverage (100 meters). Leveraging VDSL2 technology, this SFP module can easily be applied in any environment with existing 2-wire cable, such as phone line, to avoid the cost of rewiring. It can dramatically extend Ethernet service on UTP wire with distance up to 2200 meters.

The LREoVD2 SFP is also designed with flexible profiles settings for system integrator, or user, to select based on their different applications and environment requirements. Symmetric profile can be applied as a standard Ethernet connection while Asymmetric profile can be used for other services like Video streaming or IP surveillance services which require high traffic flow in a single direction. With long reach coverage, high noise immunity, and tiny board size, Netsys NV-100SFP-M/S/T LREoVD2 SFP is an ideal accessory for your enterprise and industry applications.

## Features

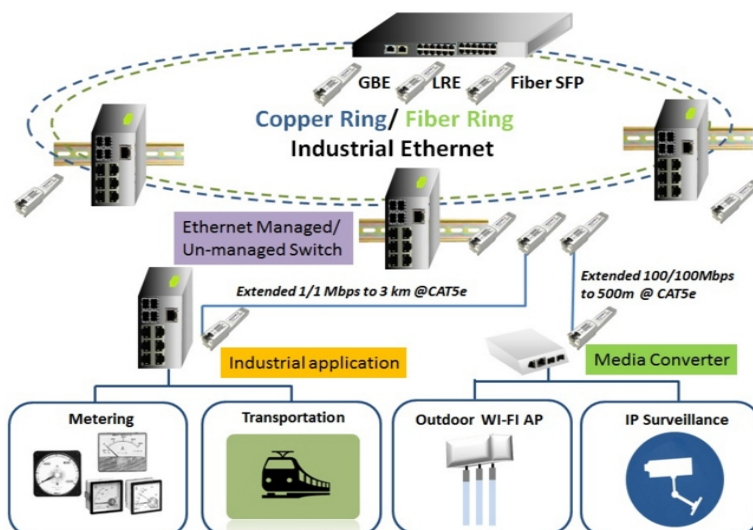
- Industry Standard Small Form-Factor Pluggable (MSA compliant)
- Provide 100/100 Mbps up to 400m over CAT 5e
- Configurable SNR profile for noisy environment
- Industrial rated for -40°C to 85°C operation

## Specifications

<b>HARDWARE</b>	RJ-45/RJ-11 Port (LRE Port) SGMII/SERDES connect to host LED1 (CO/CPE indicator) LED2 (PWR/Link Status indicator)
<b>SOFTWARE</b>	Self Boot & Managed by Internal Flash Linux Driver for managed device
<b>Certification</b>	CE, FCC, RoHS Compliant

<b>POWER REQUIREMENT</b>	3.3V, 700mA
<b>Temperature</b>	-20~85°C (Operating), -40~85°C (Storage)
<b>Dimensions</b>	79.2 x 13.7x 17 mm
<b>Humidity</b>	10 to 90% non-condensing
<b>ESD Standards</b>	Contact: +/-4KV Air: +/-8KV(EN61000-4-2)

## Application



## Ordering Information

Model Name	Description
NV-100SFP-M	LREoVD2 SFP Module Master
NV-100SFP-S	LREoVD2 SFP Module Slave
NV-100SFP-T	LREoVD2 SFP Module Telco

\*Netsys reserves the right to change specifications without prior notice