KEY FEATURES

◇ Industry Standard Small Form-Factor Pluggable (MSA compliant)

◇ Provide 100/100 Mbps up to 500m over CAT 5e

◇ Configurable SNR profile for noisy environment

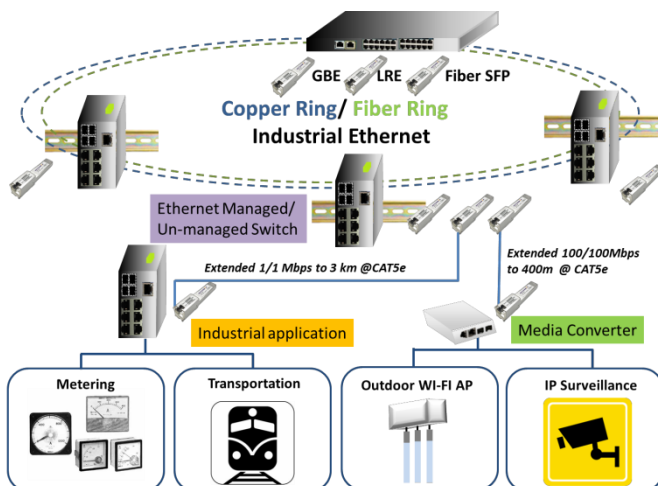◇ Industrial rated for –20°C to 85°C operation

PRODUCT OVERVIEW

Yoda V F 1 0 0 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 3000 meters. Furthermore, Full Duplex 100Mbps speed can even reach up to 500 meters with standard Cat 5e 2 wire cable.
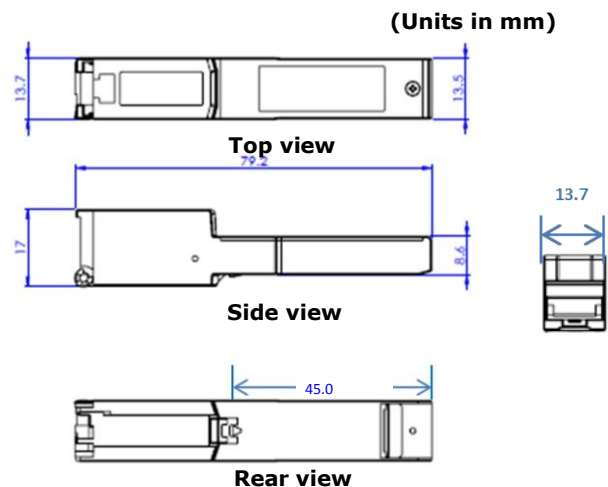
The LREoVD2 SFP is also designed with flexible profiles settings for system integrator, or user, to select based on their different applications and environment requirements. Symmetric profile can be applied as a standard Ethernet connection while Asymmetric profile can be used for other services like Video streaming or IP surveillance services which require high traffic flow in a single direction. Furthermore, the LREoVD2 SFP is supporting Telco grade noise cancellation techniques like Interleave, high SNR profile, and retransmission that can greatly eliminate the noise impact to ensure your service/control messages can still securely deliver in a harsh environment. In addition, the VF100 LREoVD2 SFP is an industrial grade component which ensures that it could work properly in the industrial market.

With long reach coverage, high noise immunity, and tiny board size, VF100 LREoVD2 SFP is an ideal accessory for your enterprise and industry applications.
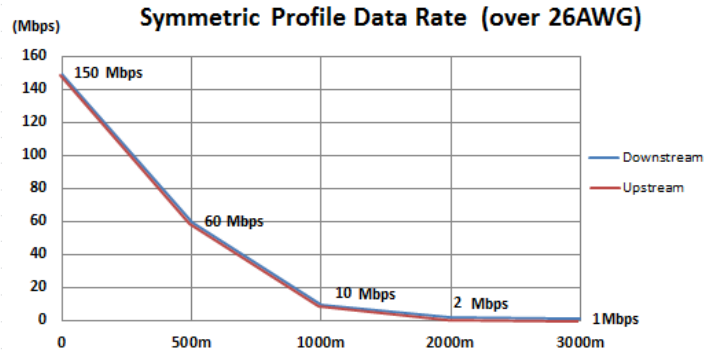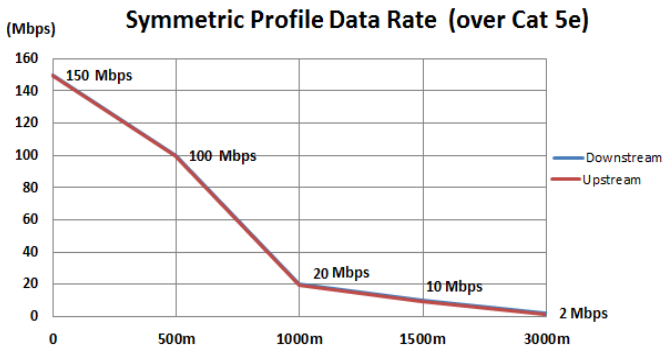
APPLICATIONS

MECHANICAL DIMENSIONS

Yoda Communications, Inc. www.yoda.com.tw

PERFORMANCE

LREoVD2

Symmetric Profile Data Rate (over Cat 5e)

Symmetric Profile Data Rate (over 26AWG)

SPECIFICATIONS

HARDWARE		RJ-45 / RJ-11 Port (LRE Port)
		SERDES connect to host
		LED1 (CO/ CPE indicator)
		LED 2 (PWR/ Link Status indicator)
SOFTWARE		Self Boot & Managed by Internal Flash
		Linux Driver for managed device
POWER REQUIREMENT		3.3V, 700mA
ENVIRONMENT	Operating Temperature	-20 ~ +85°C
	Storage Temperature	-40 ~ +85°C
	Operating Humidity	10% to 90% (non-condensed)
	Storage Humidity	5% to 95% (non-condensed)
	ESD Standards	Contact:+/-4KV Air:+/-8KV (EN 61000-4-2)
	Radiated RFI Standards	Strength:10V/m (EN 61000-4-3)
	EFT/BURST Standards	Power: 2KV Signal:1KV (EN 61000-4-4)
	Surge Immunity Standards	Power: 2KV Signal:1KV (EN 61000-4-5)
CERTIFICATION		CE/ FCC
WARRANTY		2 years

ORDERING INFORMATION

Model No.	Description	Connector
VF100-O	LREoVD2 SFP Master	RJ-45/ RJ-11
VF100-R	LREoVD2 SFP Slave	RJ-45/ RJ-11

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