VDSL2 SFP Modem for DYMEC



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 –30°C to +85°C operation**

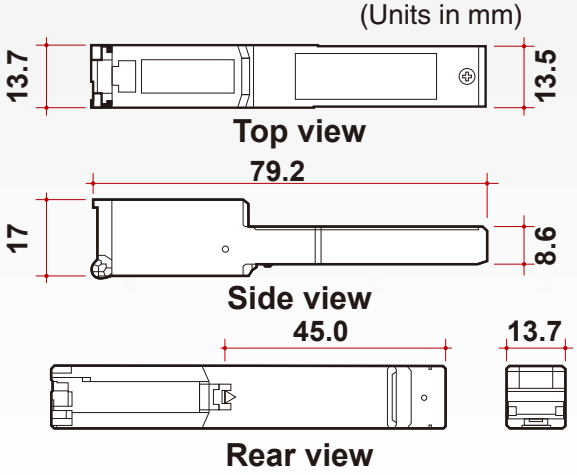
DYMEC's Pro-180-CRD (Ruggedized) is an integrated SFP bridge modem, a MSA compliant Small-Form Factor Pluggable module that enables traditional Ethernet switch, media converter and other network appliances to connect beyond typical Ethernet coverage (100 meters). Incorporated with the latest VDSL2 technology, this SFP modem can be easily adapted to existing applications with existing 2-wire cable, such as phone line, to avoid the cost of rewiring. It can drastically extend the Ethernet service on UTP wire with distance up to 3000 meters, and even with the rate of 100Mbps speed up to 400 meters on a standard Cat 5e 2 wire cable.

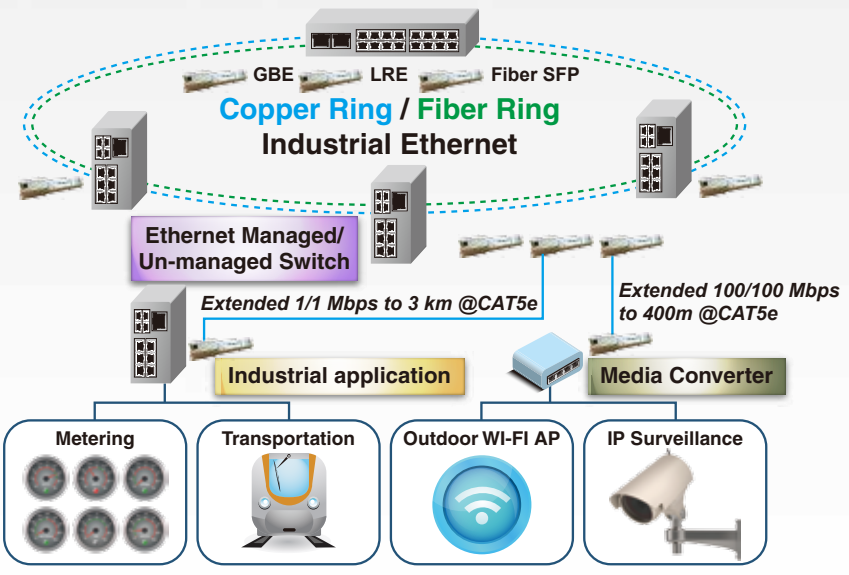
The SFP modem is also designed with flexible profiles settings for system integrator, or user, to select based on their unique applications and environment requirements. Symmetric profile can be applied as a standard Ethernet connection while Asymmetric profile can be used for other services like Video streaming or IP surveillance services which require high traffic flow in an uni-direction configuration. The SFP modem also supports Telco grade noise cancellation techniques like Interleave, high SNR profile, and retransmission that can effectively eliminate the noise impact to ensure your service/control messages can securely deliver in a harsh environment.

With long reach coverage, high noise immunity, and compact board size, **DYMEC Pro-180-CRD** SFP modems is an ideal upgrade for your Enterprise or Industry applications.

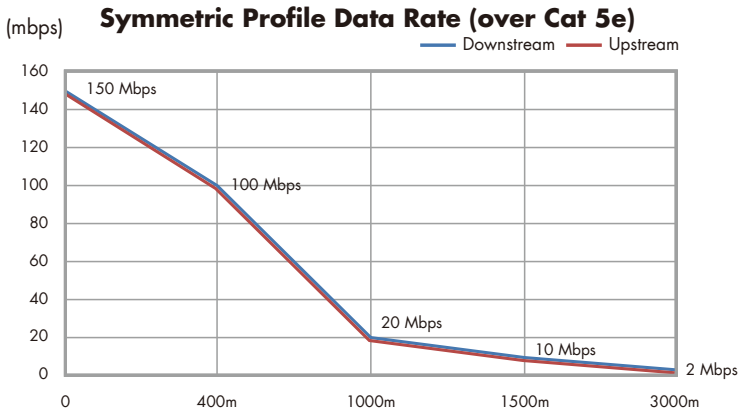
MECHANICAL DIMENSIONS

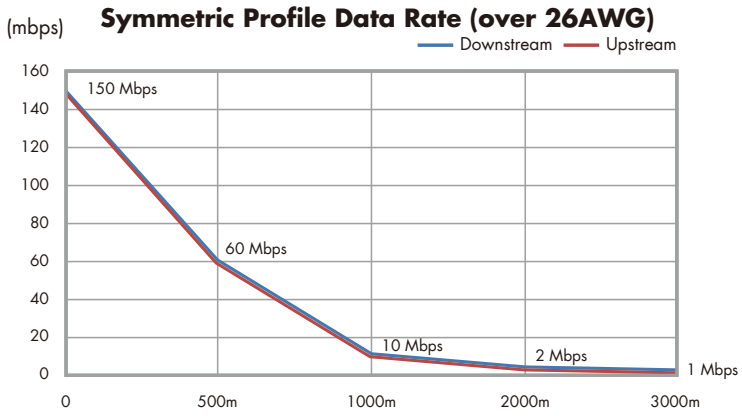
(Units in mm)





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Hardware		RJ-45 (LRE Port)
		SERDES connect to host
		LED 1 (CO/ CPE indicator)
		LED 2 (PWR/ Link Status indicator)
Software		Self Boot & Managed by Internal Flash
		Linux driver for managed devices
Power Requirement		3.3v , 700mA
Environment	Operating Temperature	-30 ~ +85°C
	Storage Temperature	-40 ~ +85°C
	Operating Humidity	5% 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)
Certifications		**CE / FCC / NEMA TS-2**

Specification	**Model**	**KY-180-CR**	**KY-180-DR**
Interface		**SFP Complaint**	**SFP Complaint**
Description		**CO side / Ruggedized**	**CPE side / Ruggedized**
Performance		**300Mbps (Aggregate rate)**	

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