

### PRODUCT OVERVIEW

The **VX41MD** and **VX41R** Long Reach PoE Ethernet Extenders provide a pair of plug-n-play solution for carrying Ethernet traffic and power over Ethernet cables up to 800 meters.

To make installation easy, the **VX41MD** and **VX41R** are designed to locate at Ethernet network sides. Without the needs of redundant long-distance power cabling, **VX41R** receive the power from the **VX41MD** and offer 802.3at Power-over-Ethernet for the remote devices such as IP cameras.

With the intelligence of built-in **LFPT** (Link Fault Pass Through) function in each device, the network administrator is enabled to monitor the link status easily, or turn on and off an IP camera remotely from the control center for eliminating the maintenance time and costs.

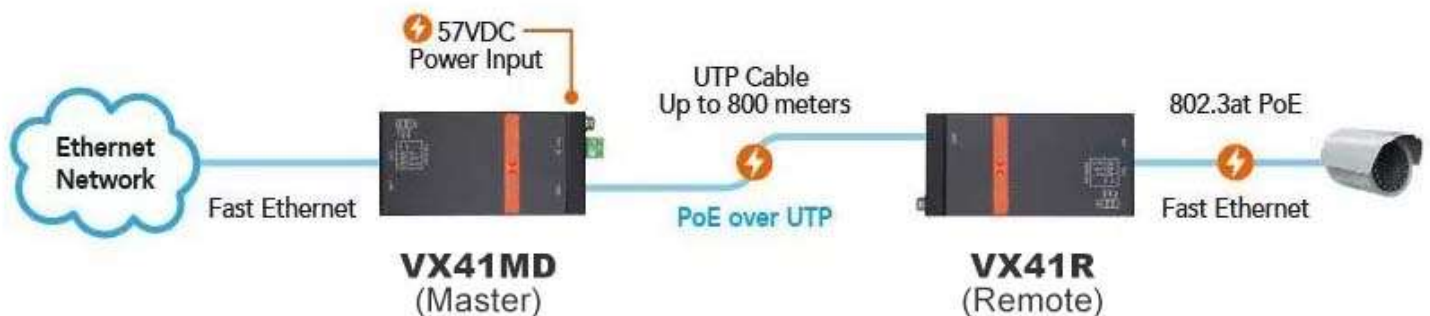
### KEY FEATURES

- Ethernet over **UTP** cable up to **800 meters**
- Eliminate long distance power cabling
- Industrial design for harsh environments
- **6KV surge protection**
- **EN50121-4** compliant for Railway trackside
- Plug-n-Play simple installation
- Remote link monitoring and power-on/off IP camera



### APPLICATION

The Industrial Ethernet Extenders **VX41MD** and **VX41R** work as a pair of Ethernet-over-UTP Extenders that the **VX41MD** is the Master role and the **VX41R** is the Remote role. Connectivity between the Master and Remote is as simple as regular Ethernet, an off-the-shelf AC-to-DC power supply powers the Master at **57VDC** which is suggested to offer Passive PoE over a long-distance cable and then the Remote device offers standard PoE to power the IP camera.

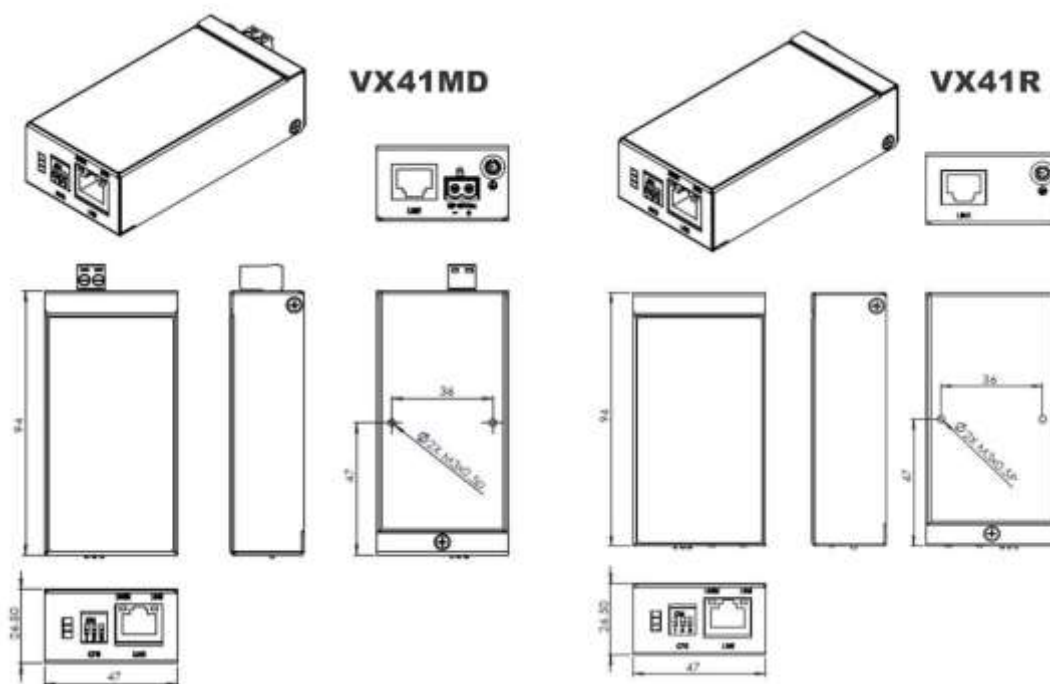


## WORKING CONDITIONS

Industrial Long Reach PoE Ethernet Extender

MODEL	Role	Position	Cable Between Master & Remote	PoE Power Source	LFPT
VX41MD	Master	Network Side	Cat 5, Cat 6	Passive PoE to supply VX41R	✓
VX41R	Remote	Remote Side	Cat 5, Cat 6	802.3at PoE to supply powered device	✓

## MEASUREMENTS



## DATA/POWER RANGE (57VDC)

Cat 6 UTP 4 Pairs, <b>VX41MD</b>		
Distance	Link Speed	<b>VX41R PoE output (watt)</b>
200 meters	100Mbps	30.0
300 meters	100Mbps	30.0
400 meters	100Mbps	30.0
500 meters	100Mbps	28.3
600 meters	10Mbps	23.2
800 meters	10Mbps	16.9
1000 meters	N/A	N/A
Cat 6 UTP 2 Pairs, <b>VX41MD</b>		
200 meters	100Mbps	30.0
300 meters	100Mbps	23.2
400 meters	100Mbps	16.9
500 meters	100Mbps	13.1
600 meters	10Mbps	10.6
800 meters	10Mbps	7.5
1000 meters	N/A	N/A

## SPECIFICATIONS

Model		VX41MD	VX41R
LINE Interface	Connector	RJ45x1	
	Compliance	IEEE 802.3/802.3u	
	PoE	Passive PoE PSE	Passive PoE PD
LAN Interface	Connector	RJ45x1	
	Compliance	IEEE 802.3/802.3u	IEEE 802.3/802.3u/802.3at/802.3af
	PoE	-	PSE
Power Input		2-pin Terminal Block 55 ~ 57 VDC	Powered by LINE interface
System Power Cons		< 3 watt	
Physical Dimensions		(W x H D): 47x26.5x94mm, Metal Enclosure	
Environment		Operating Temperature : -40C ~ 75C Humidity : 0% ~ 95%RH (non-condens)	
Regulatory Compliances		CE, FCC Part 15, EN62368, EN61000-4-5, EN50121-4	
Weight		0,23Kg (net)	