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## Veracity VLS-LSM-B

# Veracity VLS-LSM-B Longspan Max Base Hi-Power PoE Extender User Manual

## 1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Veracity VLS-LSM-B Longspan Max Base Hi-Power PoE Extender. Please read this manual thoroughly before using the device to ensure proper functionality and to prevent damage. Keep this manual for future reference.

## 2. PRODUCT OVERVIEW

The Veracity VLS-LSM-B Longspan Max Base is a high-power Power over Ethernet (PoE) extender designed to extend Ethernet and PoE connections over long distances, up to 90W. It enables the deployment of network devices, such as IP cameras or wireless access points, far beyond the standard 100-meter Ethernet limit, utilizing existing copper cabling.



The image displays two Veracity Longspan Max Base units. The front unit, labeled 'VLS-LSM-B BASE SIDE', shows ports for 'DC IN', 'ETHERNET POE IN', 'POE OR DC POWER', and 'UTP LONGSPAN EXTENDED NETWORK'. Both units are silver with blue end caps, indicating their robust design for long-range Ethernet and Hi-PoE extension.

## 3. SETUP

Follow these steps to set up your VLS-LSM-B Longspan Max Base unit:

1. **Power Source Connection:** Determine your power source. The unit can be powered via PoE (Power over Ethernet) or an external DC power supply.
2. **Ethernet Input:** Connect an Ethernet cable from your network switch or PoE injector to the 'ETHERNET POE IN' port on the VLS-LSM-B unit. If using an external DC power supply, ensure it is connected to the 'DC IN' port.
3. **Extended Network Output:** Connect a UTP (Unshielded Twisted Pair) Ethernet cable from the 'UTP LONGSPAN EXTENDED NETWORK' port on the VLS-LSM-B unit to the remote Longspan Max device (e.g., a camera or another extender).
4. **Power Verification:** Observe the LED indicators on the unit. A solid 'POWER' LED indicates that the unit is receiving power. A solid 'LINK' LED (if present) indicates a successful Ethernet connection.
5. **Secure Connections:** Ensure all cable connections are secure and properly seated to prevent intermittent connectivity issues.

## 4. OPERATING INSTRUCTIONS

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The VLS-LSM-B Longspan Max Base operates as a transparent extender for Ethernet and PoE. Once properly connected and powered, it automatically extends the network and power to the connected remote device. No software configuration is typically required for basic operation.

- **Status Indicators:** Monitor the LED indicators for operational status. Refer to the product's technical datasheet for a detailed explanation of each LED's behavior.
- **Power Output:** The unit provides Hi-Power PoE output, capable of delivering up to 90W to compatible devices over extended distances.

## 5. MAINTENANCE

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To ensure the longevity and optimal performance of your Veracity VLS-LSM-B unit, consider the following maintenance guidelines:

- **Cleaning:** Keep the device clean and free from dust. Use a soft, dry cloth for cleaning. Do not use liquid or aerosol cleaners.
- **Environmental Conditions:** Operate the device within its specified temperature and humidity ranges. Avoid exposing it to extreme temperatures, direct sunlight, or excessive moisture.
- **Cable Integrity:** Periodically inspect all connected cables for any signs of wear or damage. Replace damaged cables immediately.

## 6. TROUBLESHOOTING

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If you encounter issues with your VLS-LSM-B Longspan Max Base, refer to the following common troubleshooting steps:

- **No Power:**
  - Verify that the PoE source or DC power adapter is functioning correctly and connected securely.
  - Check the power LED on the VLS-LSM-B unit. If it is off, ensure the power source is active.
- **No Network Link:**
  - Ensure all Ethernet cables are properly connected to their respective ports.
  - Check the integrity of the Ethernet cables. Try replacing them with known good cables.

- Verify that the connected network devices (switch, remote device) are powered on and functioning.
- **No PoE Output to Remote Device:**
  - Confirm that the VLS-LSM-B unit is receiving adequate power.
  - Ensure the remote device is a PoE-compatible device and within the power budget of the Longspan Max system.
  - Check the cable length; excessive length beyond specified limits can affect PoE delivery.

For further assistance, please contact Veracity technical support.

## 7. SPECIFICATIONS

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Feature	Detail
Model	VLS-LSM-B
Product Dimensions	5.2 x 2.4 x 1.2 inches
Item Weight	2.4 ounces
Manufacturer	VERACITY
Function	Long-range Ethernet & Hi-Power PoE Extender (up to 90W)

## 8. WARRANTY AND SUPPORT

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Veracity products are designed for reliability and performance. For information regarding warranty coverage, technical support, or service, please refer to the official Veracity website or contact your authorized Veracity distributor. Ensure you have your product model number (VLS-LSM-B) and purchase details available when seeking support.

**Veracity Contact Information:**

[www.veracityglobal.com](http://www.veracityglobal.com)