Intermec E192

Intermec E192 LED Barcode Scan Engine

User Manual

Model: E192 | Brand: Intermec

1. INTRODUCTION

This manual provides essential information for the proper setup, operation, and maintenance of your Intermec E192 LED Barcode Scan Engine. The E192 is a compact, LED-based barcode scan engine designed for integration into various systems, capable of reading UPCs and other common barcode symbologies.

Key Features:

- UPC Scanning Capabilities
- 12 ZIF Connector Interface
- Requires 5VDC 150mA Power
- Compact Design

2. PRODUCT OVERVIEW

The Intermec E192 is a miniature barcode scan engine. Its small form factor makes it suitable for embedding into custom applications or devices where space is limited. It utilizes LED technology for reliable barcode reading.

Figure 1: Intermec E192 LED Barcode Scan Engine. This image shows the compact module with its various components, including the scanning window and connector interface.

3. SETUP AND INSTALLATION

The E192 scan engine is designed for integration. Proper installation requires careful handling and adherence to electrical specifications.

1. **Power Requirements:** Ensure your power supply provides **5VDC** at a minimum of **150mA**. Incorrect voltage or insufficient current can damage the device.

2. **Connector Interface:** Connect the scan engine via its **12 ZIF connector**. Refer to the technical manual (available upon request) for detailed pinout information. Ensure the connector is securely seated to prevent intermittent operation.

3. **Mounting:** Integrate the scan engine into your host device or enclosure. Ensure the scanning window is unobstructed and positioned correctly for optimal barcode capture. Avoid placing the engine near strong electromagnetic interference sources.

4. **Software Integration:** The scan engine outputs data through its interface. Integration with your host system's software will be required to interpret the scanned barcode data.

4. OPERATING INSTRUCTIONS

Once properly installed and powered, the Intermec E192 is ready to scan barcodes.

1. **Power On:** Apply the specified 5VDC power to the scan engine. The engine will typically perform a self-test upon power-up.

2. **Positioning:** Hold or position the barcode within the scan engine's field of view. The optimal scanning distance may vary depending on barcode size and type.

3. **Scanning:** The LED illuminator will activate, and the engine will attempt to read the barcode. A successful read is typically indicated by a visual confirmation (e.g., an LED indicator on the engine or host system) and the transmission of data to the host.

4. **Barcode Types:** The E192 is capable of reading UPCs and over a dozen other common barcode types. For a complete list, consult the detailed technical specifications.

5. MAINTENANCE AND CARE

To ensure the longevity and optimal performance of your Intermec E192 scan engine, follow these maintenance guidelines:

- **Cleaning the Scanning Window:** Gently wipe the scanning window with a soft, lint-free cloth. If necessary, use a mild, non-abrasive cleaning solution. Avoid harsh chemicals or abrasive materials that could scratch the window.

- **Environmental Conditions:** Operate and store the scan engine within its specified temperature and humidity ranges. Avoid exposure to extreme temperatures, direct sunlight, or high moisture.

- **Physical Protection:** Protect the scan engine from physical shock, drops, and excessive vibration. Ensure it is securely mounted within its host device.

- **Power Supply:** Always use a stable and correctly rated power supply to prevent electrical damage.

6. TROUBLESHOOTING

If you encounter issues with your Intermec E192 scan engine, refer to the following common troubleshooting steps:

- **No Power:**

  - Verify the 5VDC power supply is connected correctly and providing the required 150mA.
  - Check all cable connections, especially the 12 ZIF connector, for secure seating.

- **Cannot Read Barcodes:**

  - Ensure the barcode is clean, undamaged, and within the scan engine's field of view.
  - Check for obstructions on the scanning window and clean if necessary.
  - Verify that the barcode symbology is supported by the E192.
  - Confirm that the host system's software is correctly configured to receive and interpret data from the scan engine.

- **Intermittent Operation:**

  - Inspect the 12 ZIF connector for any loose pins or damage.
  - Ensure the power supply is stable and not experiencing voltage drops.
  - Check for potential electromagnetic interference from nearby devices.

For persistent issues, contact Intermec technical support or refer to the full technical manual.

7. SPECIFICATIONS

Feature	Detail
Model Number	E192
Brand	Intermec
Dimensions (L x W x H)	1.5 x 0.98 x 0.67 inches (approximately 38.1 x 24.9 x 17 mm)
Weight	0.06 ounces (approximately 1.7 grams)
Power Requirement	5VDC, 150mA
Interface	12 ZIF Connector
Scan Rate (Undecoded)	36 scans/second
Scan Rate (Decoded)	270 scans/second
Supported Barcodes	UPC, and over a dozen other codes
ASIN	B01FMWRSI2
UPC	090125506747

8. WARRANTY AND SUPPORT

For warranty information, detailed technical specifications, firmware, and additional support, please contact Intermec directly or visit their official website. A comprehensive technical manual is available by email upon request.
Manufacturer: Intermec
Date First Available: May 13, 2016