

# SLM-MR150M-E

15" Resistive Touch LCD Module with EMI Mesh & Optical Bonding

## Features

- Operating Temperature:  $-20^{\circ}\text{C}$  to  $+55^{\circ}\text{C}$
- Storage Temperature:  $-30^{\circ}\text{C}$  to  $+70^{\circ}\text{C}$
- Optical Bonding: EMI Mesh with Optical Bonding
- LED Life Time: 50,000 Hours (Min)
- EMI/EMC Is Designed to Meet MIL-STD-461E/F
- Shock Is Designed to Meet MIL-STD-810D
- Vibration Is Designed to Meet MIL-STD-810E

## Appearance





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## Revision Table

| Date      | Revision | Content              | By   |
|-----------|----------|----------------------|------|
| 2025/2/14 | 0.1      | New datasheet update | Mark |

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## Specification

| LCD Panel       |                                            |
|-----------------|--------------------------------------------|
| LCD Size        | 15 inch TFT                                |
| Backlight       | LED                                        |
| Resolution      | 1024 x 768                                 |
| Interface       | LVDS                                       |
| View Angle      | $\pm 88^{\circ}$ (H), $\pm 88^{\circ}$ (V) |
| Luminance       | 700 nits(after bonding)                    |
| Contrast Ratio  | 2500:1                                     |
| Aspect Ratio    | 4:3                                        |
| Response Time   | 13 ms                                      |
| No. of color    | 16.7 M                                     |
| Active Area     | 304.1 (H) x 228.1 (V) mm                   |
| Pixel Pitch     | 0.297 (H) x 0.297 (V)                      |
| LED Life time   | 50,000 Hrs                                 |
| EMI Mesh        | Yes                                        |
| Optical Bonding | Yes                                        |
| Touch Panel     |                                            |
| Touch Type      | 5-wires Resistive Touch                    |
| Active Area     | 307.10 x 231.10 mm                         |
| Touch Interface | USB                                        |
| Cover Glass     | AR/AG Strengthen Glass                     |
| Touch Drives    | Support Linux, Windows, Mac, etc.          |

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## Environment Compliance

|                 |                                |
|-----------------|--------------------------------|
| Operating Temp. | -20°C to +55°C                 |
| Storage Temp.   | -30°C to +70°C                 |
| Humidity        | Ta=40°C, 90%RH, non-condensing |
| Shock           | Design to meet MIL-STD-810D    |
| Vibration       | Design to meet MIL-STD-810E    |
| EMI/EMC         | Design to meet MIL-STD461E/F   |

Note 1: Environmental performance may vary according to the integration method or final integration scenario.

Note 2: Follow the industrial quality standard this LCD panel will include minimum 3 bright or dead pixels on viewable area and maxium total 5 bright or dead pixels on whole LCD panel.

## Deliverables

|   |                                                                |
|---|----------------------------------------------------------------|
| 1 | 15" Resistive Touch LCD Module with EMI Mesh & Optical Bonding |
| 2 | Touch Control Board                                            |
| 3 | Touch USB Cable                                                |

## Ordering Information

| Model Name   | Description                                                    | Unit |
|--------------|----------------------------------------------------------------|------|
| SLM-MR150M-E | 15" Resistive Touch LCD Module with EMI Mesh & Optical Bonding | 1    |

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