

EE-150R

1.5 inch E-paper Display

1.5" E-paper label with red color is the perfect e-paper display for shelves that host smaller products or where there is limited space.



Highlights

- Enables on-demand, real-time pricing, promotions and product information
- Reduces waste and labor costs and minimizes errors
- E-Paper display technology boasts a high contrast ratio and superior viewing angle
- 100% display content flexibility and centralized administration of all devices and content via the Opticon ESL Server Software
- Bi-Stable display, so the image will remain on the display even after power is disconnected
- High contrast display allows scanning of barcodes off the display using a standard barcode scanner
- Display can be remotely updated via bidirectional communication using the Opticon Base Station
- A wide variety of secure, durable and esthetically pleasing display shelf mounting options and accessories for in-store shelving are available
- Extremely low power consumption
- 2.4 GHz, 802.15.4 based protocol
- 152 x 152 pixels
- Complementary red color
- IP54

EE-150R

Product Specifications

Operation

CPU: CC533-F96, 8051 core 8-bit MCU

Clock frequency: 32 MHz

Memory

Internal ROM: 96 kB

Internal RAM: 6KB

Operating indicators

Range: typical 25 meter indoor; 100 meter open-field

Communication

Radio frequency: 2.4 GHz (2405 - 2480 MHz)

Radio transmission speed: up to 250 kbps

Protocol: IEEE 802.15.4 based

No. of EE-150R ESL's per base station: 2500

Power

Battery: 1x CR2450

Operating Voltage: 2.0 - 2.2V

Nominal Voltage: 3.0V

Usable time: 4 years at room temperature (update frequency: 4 times per day with 20 seconds poll time)

Display

Size: 1.54", 152 x 152 pixels (WxH), black, white and red

Active area: 27.51 x 27.51 mm (WxH)

Contrast ratio: 8:1

Pixel Pitch: 140 dpi

Durability

Temperature in operation: 5 to 40 °C / 41 to 104 °F

Temperature in storage: -20 to 60 °C / -4 to 140 °F

Humidity in operation: 20 - 60% (non-condensing)

Humidity in storage: 20 - 60% (non-condensing)

Protection rate: IP54

Physical

Dimensions (WxHxD): 45.5 x 39.9 x 14.9 mm / 1.79 x 1.75 x 0.59 in

Weight: Ca. 22.3g / 1.1 oz (incl. battery)

Regulatory & Safety

Product compliance: FCC, roHs, En60950-1, IEC60950-1, En 55022, En 55024, CE, REACH