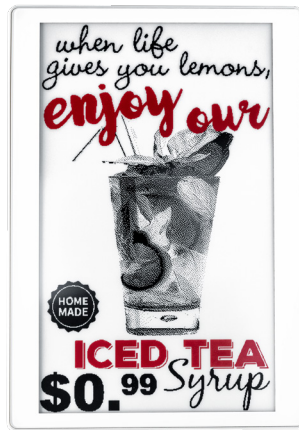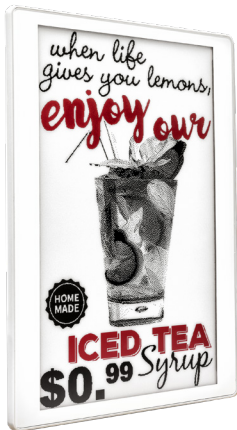# EE-750R
7.5 inch E-paper Display

The EE-750R is a 7.5 inch e-paper display with a clean and bright interface that communicates the prices or special daily offers in an efficient way. The base station allows the staff to easily update the display with new content.

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

- 640 x 384 pixels

- Complementary red color

EE-750R

Product Specifications

Operation

CPU: 8051 core 8-bit MCU

Clock frequency: 32 MHz

Memory

Internal ROM: 256 KB

Internal RAM: 8 KB

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-420R ESL's per base station: 1,000

Updates per hour: Up to 900 labels

Power

Battery: 4x Alkaline AAA

Operating voltage 3.0V

Usable time: 5 years at room temperature (update frequency: 2 times per day with 20 seconds poll time)

Display

Size: 7.5'', 640 x 384 pixels (WxH), black, white and red

Active area: 163.2 x 97.92 mm (WxH)

Contrast ratio: 8:1

Pixel Pitch: 100 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)

Physical

Dimensions (WxHxD): 180 x 126 x 16 mm / 7.09 x 4.96 x 0.63 in

Weight: Ca. 208 g / 7.34 oz

Regulatory & safety

Product compliance: CE, FCC, RoHS, EN60950-1, IEC60950-1, EN55022, EN55024

Accessories

Brackets for multiple usage, compliant to various existing holders in the market.

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