

EE-201

2 inch E-paper Display

The EE-201 is a high resolution fully graphical, 2" e-paper based, display. ESLs are an ideal solution to show accurate pricing, promotions and product information.



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
- IP54

EE-201

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-201 ESL's per base station: 2,500

Power

Battery: 2x CR2450

Operating Voltage: 2.0 - 2.2V

Nominal Voltage: 3.0V

Usable time: 7 years at room temperature (update frequency: 4 times per day with 20 seconds poll time)

Display

Size: 2", 200 x 96 pixels (WxH), black and white

Active area: 45 x 22 mm (WxH)

Durability

Temperature in operation: 5 to 50 °C / 41 to 122 °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): 65.0 x 34.0 x 15.0 mm /
2.56 x 1.34 x 0.59 in

Weight: Ca. 37g / 1.26 oz (incl. battery)

Regulatory & Safety

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