EE-202

2 inch E-paper Display

The EE-202 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-202
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-202 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

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