LEO-D52

5.8" ePaper Display with BLE 5.0 Communication

NEW

Features

- 5.8" ePaper display with black, white, and red ink
- Sunlight-readable display with 180-degree viewing angle
- Supports data transmissions via BLE 5.0 communication
- Cableless design ensures quick installation
- Battery supports operation for 5 years (4 updates per day)

Introduction

LEO-D52 is an ePaper display that represents a new generation of environmentally friendly products. Designed to replace printed paper, the LEO-D52 ePaper display is a low-power information display solution equipped with BLE 5.0 communication that allows the display content to be synchronously updated. The embedded BLE 5.0 protocol offers excellent signal penetration for long-range transmissions . Moreover, with its minimal power consumption, the LEO-D52 ePaper display is ideal for IoT applications, such as factory storage, hospital medicine cabinets, and UD carts.

Specifications

Display Size	5.8"
Display Area	118.78 x 88.22 mm (4.64 x 3.47 in)
Display Colors	Black, white, and red
Resolution	648 x 480 pixels
DPI	138
Dimensions	138.3 x 111.8 x 13.8 mm (5.43 x 4.4 x 0.54 in)
Weight	200 g/0.44 lb
Protocol	BLE 5.0
Frequency	2.4 GHz
Power Supply	4 x CR2450
Operating Temperature	-25 ~ 60 °C/-13 ~ 140 °F
Storage Temperature	-25 ~ 60°C
Certification	CE/FCC/BSMI/TELEC

Dimensions

Unit: mm

111.8

138.3

13.8

Ordering Information

Part Number	Description
LEO-D52-000	LEO-D, 5.8" R/B/W BLE

BLE Access Point
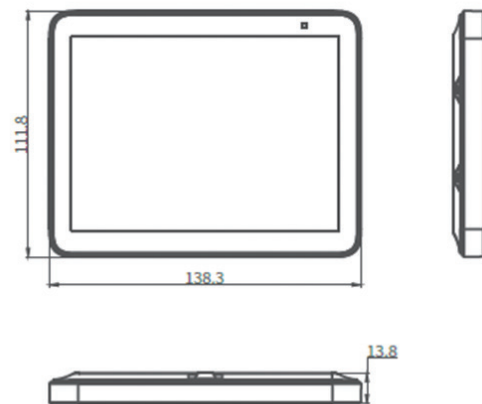
Features

Interface	1 x 10/100/1000M LAN port
Protocol	Proprietary BLE 5.0 (2.4 ~ 2.485 GHz), 802.11 ac/a/b/g/n (2.4 and 5 GHz)
Encryption	128-bit AES
Transmission Range	+20 m
Power Supply	PoE 48V_{DC}/0,32A
Dimensions	168 x 168 x 30 mm (6.6 x 6.6 x 1.18 in)
Weight	650 g/1.43 lb
Operating Temperature	-10 ~ 60 °C/14 ~ 140 °F
Certification	CE/FCC/BSMI/TELEC

Ordering Information

Part Number	Description
USM-D22-000	USM-D BLE access point

Power Cord

Part Number	Description
1700001524	Power Cord Connector USA plug
1700008921	Power Cord Connector JP plug
170203180A	Power Cord Connector UK plug
170203183C	Power Cord Connector EU plug