

LEO-D30

2.9" ePaper Display (Batteryless)

NEW



Features

- 2.9" ePaper with black and white colors
- Sunlight-readable display with 180-degree viewing angle
- Supports data transmissions via NFC
- Batteryless design, powered by reader
- Flexible fastener that can be easily customized for various applications

Introduction

LEO-D30 is an ePaper Display that represents a new generation of environmentally friendly products. The LEO-D30 ePaper Display is designed to replace traditional printed paper and does not require power to maintain the information display. The displayed content can be immediately updated via a handheld NFC device or reader for convenient usage. Additionally, the LEO-D30 ePaper Display can be employed as visitor badges, manufacturing route cards, and logistics labels, and used at exhibitions and factories or in education and IoT applications.

Specifications

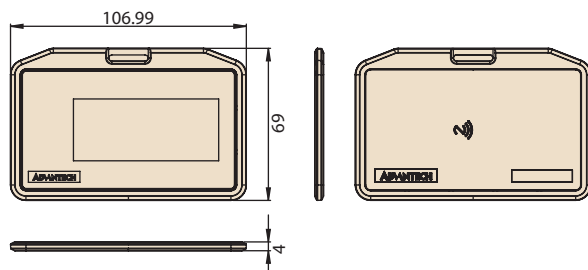
Display Size	2.9"
Display Area	66.9 x 29.06 mm (2.63 x 1.14 in)
Display Colors	Black and white
Resolution	296 x 128 pixels
DPI	112
Dimensions	101 x 58 x 4.0 mm (3.97 x 2.28 x 0.15 in) without fastener
Weight	36 g (0.079 lb)
Protocols	ISO/IEC 15693, ISO/IEC 14443a
Frequency	13.56 MHz
Power Supply	Powered by reader
Operating Temperature	0 ~ 40 °C (32 ~ 104 °F)
IP Rating	IP54

Ordering Information

Part Number	Display		Communication		Appearance	
	Size	Colors	Type	Frequency	Front/Back	Fastener
LEO-D30-B00	2.9"	Black and white	NFC	13.56 MHz	white	blue

Dimensions

Unit: mm



NFC Writer / Reader



Features

- Part Number: LEO-D30-RD1
- Protocols: ISO 15693/14443(A/B), FeliCa, Mifare
- Frequency: 13.56 MHz (+/-7 KHz)
- RF Output Power: 200 mW
- RF Output Impedance: 50 Ohm
- Input Voltage: 5 V_{DC}
- Host Interface: Micro USB
- Operating Temperature: 0 ~ 70 °C (32 ~ 158 °F)
- Dimensions: 121.5 x 74.2 x 14.5 mm (4.78 x 2.92 x 0.57 in)
- Weight: 37 g (0.081 lb)

Mouser Electronics

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[LEO-D30-RD1](#) [LEO-D30-B00](#)