Access IS

LSR116

2D Barcode Reader for Kiosks and Gates

Device Features

Connection Types

- USB
- RS232

Technology

- Barcode

High-Speed Barcode Reading

The LSR116 is designed to read 2D barcode images from smartphones, tablets or paper. Its unique design, with optimised imaging and a 2D omnidirectional barcode imager, ensures read reliability. It also ensures high-speed performance, capturing and decoding barcodes in less than one second of presentation in any orientation.

Intuitive User Feedback

The LSR116 may be configured with data format settings. Serial RS232 and serial or keyboard USB interface versions are available. When operated in interactive mode, it can be controlled by the host application to give green LED "successful read" feedback to the user.

Barcode Symbologies Read

The LSR116 reads all popular linear, PDF417 and 2D symbologies.

Linear - Includes EAN / UPC, Interleaved 2 of 5, Industrial 2 of 5, IATA 2 of 5, Code 39 and Code 128 formats.

PDF417 - 2D stacked barcode commonly used for transport and ID.

QR - 2D matrix-barcode containing up to 3,832 characters.

Withstands Years of Frontline Use

It has a small-footprint slot-in design to enable easy integration into third-party public access kiosks and gates. Furthermore, its rugged, water-resistant construction with no moving parts, enable it to withstand years of indoor and outdoor public use.

Features

Fully sealed
Robust & water-resistant for integration into indoor or outdoor kiosks and gates

Any Media
Reads 2D, PDF417 and linear symbologies from any media

Kiosk Integration
Quick plug-in design reduces cost and complexity for kiosk or gate use

Intuitive operation
User feedback through green and red LEDs

Flexible Interface
RS232 and USB (serial or keyboard) interface options

Easy Software Upgrades
FLASH upgradeable software

Simple Configuration
Interactive mode allows host application to control reader functions

Applications

- Integration into public-use kiosks and gates
- Travel and transportation mobile-ticket reading
- Retail voucher redemption and loyalty cards
- Car park ticket machines and automatic barriers

Specification

Barcode Symbologies Read

Linear: EAN UPC, Code 2 of 5, Interleaved 2 of 5, IATA 2 of 5, Code 39, Code 128

2D: PDF417, Aztec, DataMatrix and QR codes

Media types read: Smartphone/tablet/smartwatch displays & paper tickets

Interface

Interface options: RS232 via DB9 connector; USB (HID, serial or keyboard emulation); model exists to offer interchangable USB and serial connectivity

Mechanical

Size (WxDxH): 110 x 106 x 68mm

Weight: 250g excl. cable

Body: Black ABS

Glass: 4mm Toughened White Soda Lime; BS EN60068-2-75 & IEC 62262:2002, rated to 3.5J impact

MTBF: 250,000 hours

Power Supply

Serial Interface: 4.5 to 5.0 VDC via Access supplied external power supply or via USB power stealer

USB Interface: Via a single USB cable for combined data and power

Current Typical: 310 mA, Peak: 480 mA

Environmental

Temperature:

Operating: -25°C to 50°C

Storage: -30°C to 70°C

Humidity: 95% RH, non-condensing

Approvals

FCC 47CFR Part 15 Class A

EN55022: 2006 + Amd1: 2007; EN55024: 1998 + Amd1: 2001 + Amd2 2003
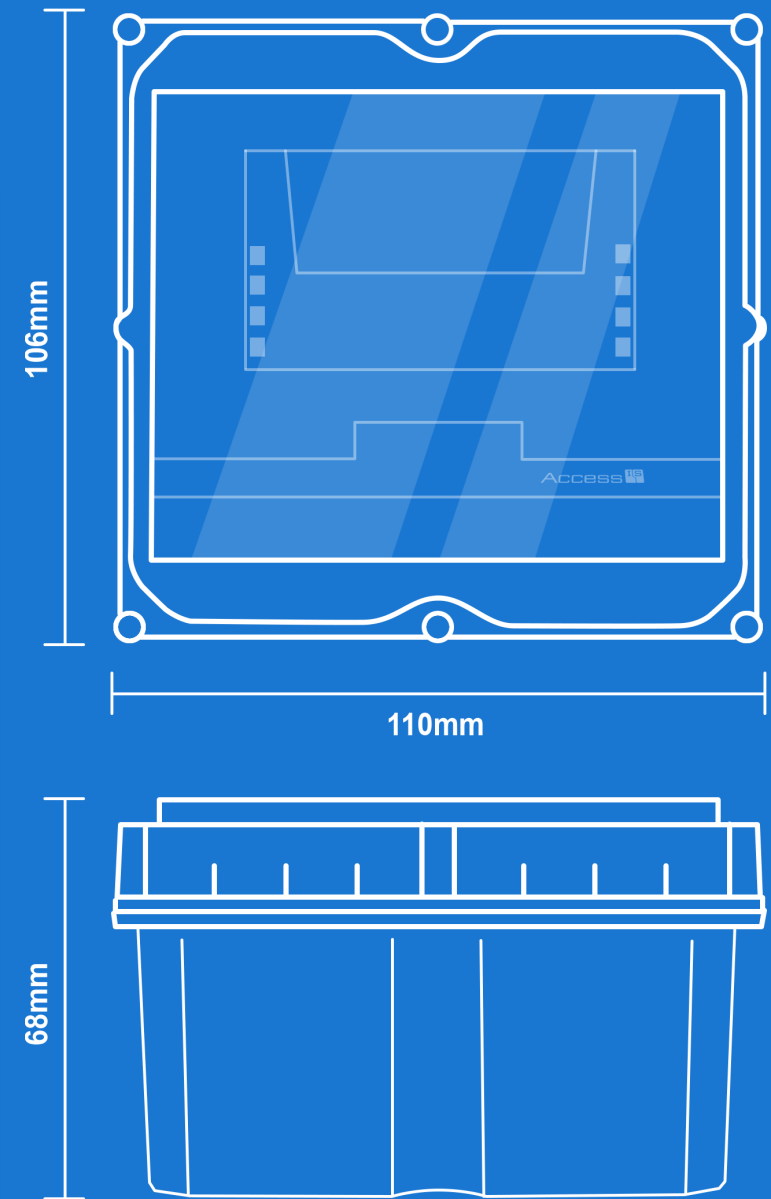
IEC 60950-1 2nd edition

IEC 60950-1 2nd edition including amendment 1

Safety: EN 60950-1: 2006 IEC 62471: 2006 - Exempt Class

Ingress: IP67 certified to BS EN 60529:1992

106mm

110mm

68mm

Get In Touch

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