

TICKET READERS

LSR118

2D barcode and NFC/RFID reader/writer

Single Point of Presentation

The LSR118 is designed to read 2D barcodes from mobile phones, tablets and paper, and read and write to contactless smart cards, NFC labels and NFC-enabled mobile devices – in any orientation and from a single point of presentation.



Withstands Years of Frontline Use

The reader/writer has a small-footprint, slot-in design to enable fast, easy integration into public access kiosks, gates and ticket machines. Furthermore, its rugged, water-resistant construction, with no moving parts, enables it to withstand years of indoor and outdoor public access use.



NFC/RFID

NFC offers an especially intuitive and quick interface for data reading and writing. The LSR118 works with all popular contactless cards – including Mifare® (Classic®, Ultralight®) and DESfire®.

Barcode Reading

The LSR118 reader's unique design, with optimised imaging and a 2D omnidirectional barcode imager, ensures read reliability. It also ensures high-speed performance, capturing and decoding all popular linear, PDF417 and 2D symbologies, including QR and Aztec, in less than half a second of presentation in any orientation.

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.



Device Features

Connection Types

- USB
- RS232

Technology

- NFC/RFID
- Barcode

Features

Fully sealed

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

Reads From Any Media

Reads barcodes and NFC devices from a single point of presentation

Simple Kiosk Integration

Quick plug-in design for gates/kiosks reduces cost and complexity

Intuitive operation

User feedback through green and red LEDs

Flexible Interface

RS232 and USB (serial or keyboard) interface options

Applications

- Integration into public-use kiosks and gates
- Travel and transportation mobile-ticket reading
- Car park ticketing; transportation and event turnstiles and gates
- Redeeming coupons and vouchers; reading loyalty cards

Barcode Symbolologies 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

Contactless Reader

Supported media: ISO14443 type A and B cards (Java cards); max baud 424K (extendable to 848K)

Mifare UL, Classic 1K, Classic 4K, UL-C, UL-EV1, Mifare Plus; max baud 106K, mobile phone (PCE)

Operating frequency: 13.56 MHz

Operating distance: >40mm. 65mm typ.

Interface

USB composite device, with:

- HID interface for barcode reading
- CCID PC/SC interface for NFC

Serial device, with barcode, NFC reader as separate devices

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

Via external 5v power supply

Current: Peak: 650mA

Environmental

Temperature:

Operating: -25°C to 50°C

Storage: -30°C to 70°C

Humidity: 95% RH, non-condensing

Resilience: Water-resistant to 1m depth

Dust-proof

Approvals

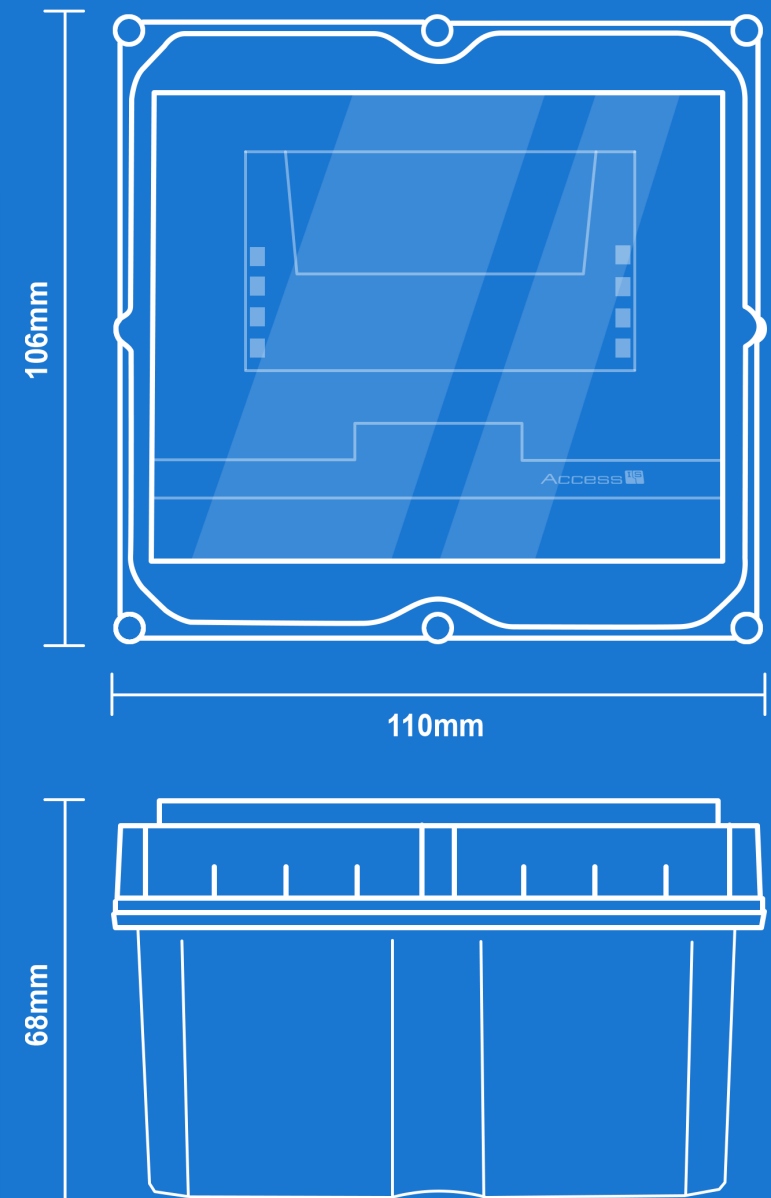
FCC Part 15 Subpart C

CE: EN 301 489-1 v1.8.1 (2008-04)

CE: EN 302 291-1 v1.1.1 (2005-07)

IEC 62471: 2006 - Exempt Class EN 60950-1:2006+A12:2011

Ingress: IP67 certified to BS EN 60529:1992



Get In Touch

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