

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. It also reads and writes 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

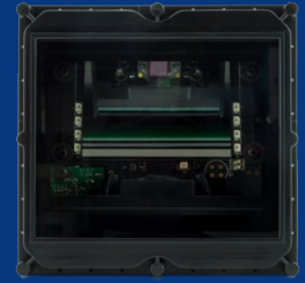
The LSR118 reader's unique design, with optimized imaging and a 2D omnidirectional barcode imager, ensures read reliability. It also ensures high-speed performance, capturing and decoding all popular linear, PDF417 and 2D symbologies, including QR and Aztec, in less than half a second of presentation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

LSR116 & LSR118 READERS

These are compact, sealed, water and dust-resistant OEM modules that remove the high-investment risk for kiosk, podium, gate and turnstile manufacturers wanting to integrate barcode and contactless reading into their products.

APPLICATIONS

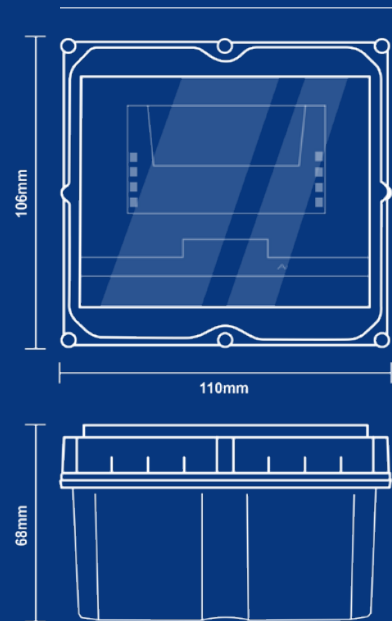
- Integration into public-use kiosks and gates
- Car park ticketing; transportation and event turnstiles and gates
- Travel and transportation mobile-ticket reading
- Redeeming coupons and vouchers; reading loyalty cards



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 Interfaces - Interfaces as USB composite or serial device, supporting both NFC and barcode readers

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FEATURES

Connection Types

-  USB
-  RS232

Technology

-  QR/Barcode
-  NFC/RFID

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READING CAPABILITIES	
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
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.
ELECTRONIC	
Power Supply	Via external 5v power supply Current: Peak: 650mA
PHYSICAL	
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
Dimensions	4 x 4 x 3 in (110 x 106 x 68 mm)
Weight	9 oz. (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
Resilience	Water-resistant to 1m depth
THERMAL (AIR)	
Temperature	Operating -13°F to 122°F (-25°C to 50°C)
Storage	-22°F to 158°F (-30°C to 70°C)
Humidity	95% RH, non-condensing
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

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2021-10-27-eat-lsr118-reader-ds-en PLT-06274

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