

YSOFT MFX LITE READER



The YSoft MFX Lite reader is an ideal solution for secure identification and verification using industry-standard technologies. Forming part of the MFX range of card readers to fit all use cases, it provides a robust sanitary solution. It also requires 36% less power than most other readers, meaning 36% less CO2 emissions.

HIGHLIGHTS INCLUDE

- Enclosed housing with a small footprint and RGB LED indicator lights
- Broad industry-standard compatibility at a competitive price
- Custom configuration tool and card auto detection allows for fast and easy set up
- Multi-length, detachable cables and mounting kits available
- Strenuously robot-tested in-house to guarantee 100% performance reliability and comes with free six-year product-lifetime warranty

Y Soft designs, tests and manufactures the MFX Lite reader in the European Union and provides global certifications and logistics through warehouses located in the Czech Republic, USA, China and Singapore.

MFX LITE

UNIVERSAL HF AND LF READER

ASK, FSK and PSK modulation on LF and various HF standards

TECHNICAL DATA MFX LITE

Reader technology	Contactless
Frequency	13.56 MHz/134.2 kHz/132 kHz/125 kHz
Housing	Material ABS
Dimensions	86 mm × 51 mm × 21 mm
Power supply	5 V via USB
Current consumption	max. 500 mA
Temperature range	Operating: +5 °C to +35 °C, Storage: 0 °C to +50 °C
Reading distance	Depending on the card technology 30–100 mm
Host interface	USB 2.0 full speed (12 Mbit)
OS support	Windows 2000 and higher, Linux kernel 2.6.32 or higher
Modes of operation	USB keyboard emulation, USB virtual COM port
User interaction	Beeper, RGB LED
Relative humidity	Operating: 20% to 85% non-condensing, Storage: 8% to 85% non-condensing
Certifications	ACMA+Radcomms (AU, NZ) CE (Europe) FCC (USA) ISED (Canada)
Model number	MU03077
Annualized failure rate	< 0.5%
Weight	67 g

AVAILABLE PRODUCTS

PRODUCTS	YSOFT MFX LITE READER
External Part no.*	YSQB0-003-014x
External Name	YSoft MFX Lite Reader

NOTES

- Reading of MIFARE Classic sectors supported. Reading of MIFARE Classic sectors from 7 byte UIN or random UIN cards supported. Reading of MIFARE DESFire data files supported. ISO14443A/B-4 APDU commands supported. Processing of multiple HF cards at the same time supported.
- Supports only f/64 manchester modulation on Hitag 1/S cards.

SUPPORTED TECHNOLOGIES

LF

- EM4000 and compatible (EM Prox, UNIQUE, EM LF, EM4100, EM4102, EM4200, MIRO, manchester f/64 and compatible, Q5, T555 and Hitag configured to EM4xxx compat. mode)
- Proxlite (ISO Proxlite, Casi-Rusco, GE Interlogix)
- Paradox (PosiProx)
- Nedap
- AWiD (AWiD Prox)
- Pyramid (Farpointe)
- Deister
- Datasec
- G-Prox (G-Prox II)
- ioProx (Kantech ioProx)
- EM4050
- PAC
- KeyPAC
- URMET (FDI)
- Hitag 1
- Hitag 2
- Hitag S
- Cotag (Cotag Active, Cotag Passive)
- Tiris (Tiris/HDX)
- Tiris RO (Tiris/HDX)
- Tiris RW
- Jablotron
- Nexkey
- Keri
- ID TECK

HF

ISO 14443A

- ISO 14443A (ISO 14443A-3, ISO 14443A-4)
- MIFARE (MIFARE Classic, MIFARE Standard, MIFARE 1K, MIFARE 4K, MIFARE 1k and 4k EV1, MIFARE Emulated Card, MIFARE Ultralight, MIFARE DESFire D40, MIFARE DESFire EV1, MIFARE DESFire EV2, MIFARE Mini, MIFARE Plus)
- Legic Advant UIN (Legic Advant ATC/CTC UIN only, ATC128-MV210 UIN only, ATC256-MV210 UIN only, ATC512-MP110 UIN only, ATC1024-MV110 UIN only, ATC2048-MP110 UIN only, ATC4096-MP310 UIN only, ATC4096-MP311 UIN only, CTC4096-MP410 UIN only, AFS4096-JP UIN only, ATC256-MV410 UIN only, ATC1024-MV010 UIN only, CTC4096-MM410 UIN only)

ISO 14443B

- ISO 14443B
- CEPAS CAN
- SLE6666CL160S
- SR176
- SLIX 4K
- ASK GTML (ASK GTML2 ISO)
- Sharp B
- TOSMART P0032/64

ISO 15693

- ISO 15693
- EM 4135
- LRI (LRI12, LRI64, LRI128, LRI2k)
- Tag-it (Tag-it HF-I, Tag-it HF-I Pro Jewel Tag, Tag-it HFI Standard)
- SRF55VxxP
- SRF55VxxS
- KSW TempSense

Inside Contactless

- Inside Contactless UIN (PicoPass 2k, PicoPass 32k)

SUPPORTED TECHNOLOGIES

FeliCa

- FeliCa UIN (RC-S860 UIN only, RC-S863 UIN only, RC-S885 UIN only, RC-S888 UIN only, RC-S889 UIN only, RC-S860 UIN only, RC-S890 UIN only, FeliCa Lite RC-S965 UIN only, FeliCa Lite-S RC-S966 UIN only, RC-SA01 UIN only)
 - FeliCa UIN legacy (FeliCa RC-S833 UIN only)
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Other

- Sielox
 - ASK-RFID (ISO14443B', Calypso)
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ISO 14443A

- FIPS201 CHUID
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ISO 14443B

- CEPAS CAN
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