

YSOFT MFX READER



YSoft MFX Reader is an ideal solution for secure identification verification when used to access devices and locations via a contactless card using HID. Coming with a free six-year product-lifetime warranty, it uses the latest chip technology to help you overcome supply chain woes.

HIGHLIGHTS INCLUDE

- Enclosed housing with a small footprint and RGB LED indicator lights
- In-field customizable and upgradable
- Custom configuration tool and card auto detection allows for fast and easy set up
- Multi-length, detachable cables and mounting kits available

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

MFX

UNIVERSAL HF AND LF READER

ASK, FSK and PSK modulation on LF (includes support for HID Prox) and various HF standards including support for HID iClass SE and HID iClass Elite technology

TECHNICAL DATA MFX

Reader technology	Contactless
Frequency	13.56MHz / 134.2kHz / 132kHz / 125kHz
Housing	Material ABS
Dimensions	86mm × 51mm × 21mm
Power supply	5V via USB
Current consumption	max. 500mA
Temperature range	Operating: +5°C to +35°C, Storage: 0°C to +50°C
Reading distance	Depending on the card technology 30–100mm
Host interface	USB 2.0 full speed (12Mbit)
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) UKCA (UK) IDA (Singapore) FCC (USA) ISED (Canada) MIC (Japan)
Model number	MUS3077
Average failure rate	< 0.5%
Weight	70,4 g

AVAILABLE PRODUCTS

PRODUCTS	YSOFT MFX READER
External Part no.*	YSQB0-003-077x
External Name	YSoft MFX Reader

NOTES

- HID iClass Elite key configuration cards are supported. Once the SE Processor is programmed with iClass Elite keys, to revert the reader to the factory state the customer iClass Elite to standard keys programming cards must be used.
- 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

Indala

- Indala (Indala Prox, Indala ASP, Indala ASP+, Motorola / Indala, Indala FlexPass, FlexCard, FlexTag, FlexISO, FlexKey, FlexISO XT)
- Indala Custom
- Indala W26 – format 10022
- Indala W27 – format 10251
- Indala Lite – format 17531
- Indala Kantech – format 15024
- Indala ESMI – format 1771x
- Indala ECR W26 – format 10324
- Indala ECR ABA2 – format 11045

HID Prox

- HID Prox (ISO Prox II, ProxKey, ProxKey III, DuoProx, Prox Card II, SmartISO Prox, ProxPass, Micro Prox, Smart DuoProx)
- HID Prox User Defined Format

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)
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SUPPORTED TECHNOLOGIES

ISO 14443B

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

- Inside Contactless UIN (PicoPass 2k, PicoPass 32k)
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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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HID HF technologies

- HID iClass (HID iClass Elite)
 - HID iClass SE (HID iClass SE Elite)
 - HID iClass SR (HID iClass SR Elite)
 - HID iClass SEOS (HID iClass SEOS Elite)
 - HID DESFire SE (HID DESFire SE Elite)
 - HID Mifare
 - HID Mifare SE (HID Mifare SE Elite)
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