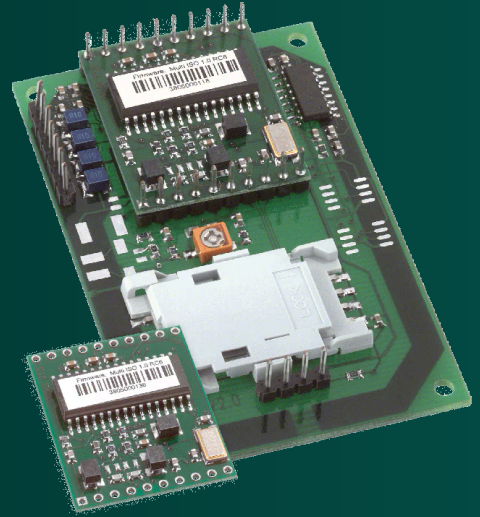


HF | NFC - Reader Module HID - Multi-ISO Reader Platform

- ISO 14443 A&B & ISO 15693
- Full-sized card slot for ISO 7816
- ISO 7816 SAM interface
- USB Type - A
- IP32 protection



HF | NFC - Reader Module Multi Interface Support

The family of 13.56 MHz Multi-ISO Reader Boards supports one of the broadest ranges of transmission protocols and transponder ICs available on the market.

Designed to meet the requirements of both secure personal identity verification and supply chain management applications, the Multi-ISO Embedded Reader Platform is ideal for access control, as well as Automatic Fare Collection (AFC), ticketing, vending and mobile solutions.

Featuring integrated SAM support that enables state-of-the-art security, the interoperable reader platform supports a wide range of industry standards, including ISO 14443 A/B, ISO 15693, ISO 18000-3.

Multi-ISO reader boards are also optimized for maximum data throughput times on both the air and serial interface, and are available with a variety of antenna size options for easy integration in virtually any mobile or compact application.

Common Applications

- e-Government
- eHealthcare
- Single Sign On
- Loyalty Management
- Membership Management
- Access Management



TECHNICAL SPECIFICATIONS

	Reader Core	Reader Board RS232 Compact
Operating Frequency	13.56 MHz	
Standards	ISO14443A, ISO14443B, ISO 15693, ISO 18000-3, NFC enabled,ICODE	
Supported Chip types	MIFARE™ Standard / EV1, MIFARE 4k, MIFARE Plus, MIFARE Pro, MIFARE Ultralight, MIFARE Ultralight C, MIFARE DESFire®, MIFARE DESFire EV1 /EV2, MIFARE SmartMX, NTAG 2xx, I-CODE SLI(x) (SL2 ICS 20), I-CODE EPC (SL2 ICS 10), I-CODE UID, (SL2 ICS 11), I-CODE, NFC (Reader To Tag Mode) SLE 55Rxx, SRF55VxxP +S, SLE 66CL160S, SLE 66CLX320P, SR176, SR1X4K, LRI 64, LRI 512, EM4135, KSW Temp Sens® Tag-it™ HF-I Standard, Tag-it™ HF-I Pro, Jewel Tag, Sharp B, ISO14443A Tags, ISO14443B Tags, ISO15693 Tags, ISO18000-3 Tags	
Host Communication	Point-to-Point	
Communications Interface	C-MOS TTL	RS232
Communications Protocol	Specific ASCII and Binary Protocol	
Communications Parameter	9600 Bit/s to 460 kBit/s, 8, N, 1	9600 Bit/s to 115 kBit/s, 8, N, 1
Firmware Boot-Loader	Supported via Serial Interface	
S/W Driver	Virtual COM port, API - DLL (MSVC++)	
Power Supply	5 VDC ± 10% regulated	
Power Consumption	90 – 200 mA depending on antenna (without connected SAM) < 10 µA at power down mode	< 150 mA (without SAM) < 10 mA at power down mode
Reading Distance	Up to 90 mm / 3.54", depending on tag and antenna	Up to 75 mm / 2.95", depending on tag
RF Transmission Speed	Up to 848 kBit/s	
Antenna	External	Integrated
Input/Output Connector	2 status indicator LED lines SAM Interface	2 status indicator LED lines SAM Socket
Size	25.5 x 30.0 x 4.8 mm ± (L/W) 0.5 (H) 1.0	70.0 x 45.0 x 12.1 mm ± 1.0 mm
Weight	5 g± 10%	17g ± 10%
Operating Temperature	-20° C to + 80° C	
Storage Temperature	-40° C to + 85° C	
Approvals / Compliances	RoHS compliant	ETS 300-330, CE, FCC part 15, RoHS compliant, ISO 14443 1-4
MTBF	3,000,000 h	200,000 h
Part No. / Model		