idChamp® NF4x Specifications

ELECTRICAL	
Data Interface	Cabled with USB Adapter Windows & Android Wireless BSW or HID - iOS, Android, MacOS, Windows
Power Source	USB/ Battery
Battery Option	Yes
Battery Type	Internal Rechargeable Lithium-Polymer battery 3.7 VDC
Charging Method	Micro USB
Charge Cycles	~500
Charging Time	~ 4 hours
Operating Time	~ 9 hours when constantly scanning
PHYSICAL	
Dimensions	100.90 x 51.40 x 22.25 mm (3.972 x 2.02 x 0.876 in)
Weight	113 grams (4 oz)
ENVIRONMENT	
Operating Temperature (NFC Engine)	-25 °C to +70 °C (-13 °F to +158 °F)
Humidity	10 - 90% Relative Humidity
Approvals	Compliant to ROHS/REACH, WEEE, IEC 60950-1, CE, FCC Modular, IC (Canada)

ADDITIONAL OPTIONS & FEATURES	
Enclosed Items	NF4x Reader
Custom Options	Cases: Black, White, Red, Durable, Kiosk (no battery) configuration cables (required for configuring via Windows PC)

CREDENTIAL COMPATIBILITY

Frequency	125 kHz/134.2 kHz (LF) / 13.56 MHz (HF) / 2402 MHz - 2480 MHz (BT)
Supported Card Types (Standard)	ISO14443A: LEGIC Advant[1], MIFARE Classic 1k & 4k EV1[2], MIFARE Classic, MIFARE Mini, MIFARE DESFire EV1, MIFARE DESFire EV2[2], MIFARE Plus S, X, MIFARE Pro X[3], MIFARE Smart MX[3], MIFARE Ultralight, MIFARE Ultralight C, MIFARE Ultralight EV1, NTAG2xx, PayPass[3], SLE44R35, SLE66Rxx (my-d move)[3], Topaz ISO14443B: Calypso[3], Calypso Innovatron protocol[3], CEPAS[3], HID iCLASS[1], Moneo[3], Pico Pass[4], SRI4K, SRIX4K, SRI512, SRT512 ISO18092 ECMA-340: NFC Forum Tag 1-5, NFC Peer-to-Peer, Sony FeliCa[5], NFC Active and passive communication mode ISO15693: EM4x33[3], EM4x35[3], HID iCLASS[1], HID iCLASS SE/SR[1], ICODE SLI, LEGIC Advant[1], M24LR16/64, MB89R118/119, SRF55Vxx (my-d vicinity)[3], Tag-it, PicoPass[4] 125 kHz, 134.2 kHz: AWID, Cardax, CASI-RUSCO, Deister[6], EM4100, 4102, 4200[7], EM4050, 4150, 4450, 4550, EM4305[8], FDX-B, EM4105, HITAG 1[9], HITAG 2[9], HITAG S[9], ICT[8], IDTECK, Isonas[8], Keri, Miro, Nedap[6], PAC, Pyramid, Q5, T5557, T5567, T5577, TIRIS/HDX, TITAN (EM4050), UNIQUE, ZODIAC
Supported Card Types (iClass/Elite/Indala etc.)	All Standard Card Types, HID iCLASS[10], HID iCLASS SE/SR/ SEOS(CSN and Facility Code/PAC)[10], HID iCLASS Elite & SE Elite All Standard Card Types, Cotag, G-Prox[6], HID DuoProx II, HID ISO Prox II, HID Micro Prox, HID ProxKey III, HID Prox, HID Prox II, Indala, ioProx, Nexwatch Mobile Credentials (NF4xb)

*NF4x is HID only with Direct Mode Firmware (DMF)