

# idChamp® NF4x Specifications

<b>ELECTRICAL</b>	
<b>Data Interface</b>	Compatible with USB, PÖ with DMF*, BŞE5.x
<b>Power Source</b>	<b>SB Battery</b>
<b>Battery Option</b>	<b>Yes</b>
<b>Battery Type</b>	Internal Rechargeable Lithium Polymer attery VDC
<b>Charging Method</b>	Micro SB
<b>Charge Cycles</b>	
<b>Charging Time</b>	4 hours
<b>Operating Time</b>	hours when constantly scanning
<b>PHYSICAL</b>	
<b>Dimensions</b>	x 4 x mm ( x x in)
<b>Weight</b>	grams (4 o )
<b>ENVIRONMENT</b>	
<b>Operating Temperature (NFC Engine)</b>	C to C ( F to F)
<b>Humidity</b>	Relative Humidity
<b>Approvals</b>	Compliant to ROHS REACH WEEE IEC CE FCC Modular IC (Canada)

## CREDENTIAL COMPATIBILITY

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

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