MiCard PLUS - Installation Manual

NTware

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	1.1	Added the two default card types, supported by the MiCard PLUS.
	1.2	Corrected a versioning information for microMIND V2.
	1.3	Smaller corrections and improvements.
	1.4	Corrected the disclaimer.

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Monday, August 20, 2012, Bad Iburg (Germany)

Symbols

Text Styles

Text that appears in this style is used for screen text that appears in the uniFLOW user interface and on user interface controls.

Text that appears in this style is used for User entries on screen, text that the user actually has to type in.

Text that appears in this style is used for hyperlinks to an external web page, or internal links to other pages of this manual.

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Text that appears in this style is used for code examples: XML code, variables or regular expressions.
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Pictograms

Important note: Information that is crucial for the correct functioning of the uniFLOW software.

External manual: Pointer to additional manuals for third party hardware or third party software.

Region Specific Feature: In case some features of uniFLOW are not universally available, this icon will indicate it.

Link to an external reference within the WWW.

Detailed explanation of configuration settings or operational procedures.

Copyright and Contact

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1 Introduction

The MiCard PLUS is a USB card reader that combines proximity and contactless technologies into one single reader. MiCard PLUS possesses the capabilities of reading both 125 kHz proximity cards and 13.56 MHz contactless cards. This reader eliminates the need for manual entry and provides error-free identification and security throughout the workplace. The MiCard PLUS allows users to use their building access card / time tracking card or any 125 kHz or 13.56 MHz tags/labels for identification in conjunction with MEAP enabled devices (V3.0.8 onwards), SFP MEAP devices (V1.0.2 onwards) and microMIND V2 (since firmware version 2.0.5). The plug-n-play reader comes with flash memory, allowing the user to quickly configure the output to meet the needs. With its dual-frequency multi-technology, the MiCard PLUS is highly configurable and capable of simultaneously handling any two of the available technologies. The reader can be configured to add characters before or after the card's data.

2 Compatibility

- MEAP devices (V3.0.8 onwards)
- SFP MEAP devices (V1.0.2 onwards)
- microMIND V2 (since firmware version 2.0.5)

The MiCard PLUS reader will not work with CMFP models and microMIND (V1).

3 Supported Card Types

- **125 kHz Supported Cards**
  - AWID
  - Cardax*
  - CASI-RUSCO®
  - Deister*
  - DIGITAG
  - EM 410x
  - Farpointe Data
  - GProx™ II*
  - HID® Prox
  - HiTag 1, S & 2
  - Indala® (Motorola)
  - ioProx™ (Kantech)
  - Keri NXT
  - Keri*
  - Nexwatch (Honeywell)
  - Pyramid
  - Radio Key®
  - ReadyKey Pro*

*Unique ID

- **13,56 MHz Supported Cards**
  - Advant CSN (Legic)
  - eTag CSN
  - HID iCLASS CSN
  - I-Code CSN
  - I-tag CSN
  - ISO 14443A CSN
  - ISO 15693 CSN
  - MIFARE CSN

The default setting of the MiCard PLUS supports the following card types:

- HID® Prox
- MIFARE CSN

4 Specifications

- **Typical Maximum Read Range:**
  2,5 cm – 7,6 cm (1.0" – 3.0") dependent upon proximity card type and environmental conditions.
- **Dimensions:**
  9 cm x 5,55 cm x 1,8 cm (3.5" x 2.2" x 0.7")
- **Weight:**
  110 g (3.8 oz)
- **Power Supply:**
  Self-powered, 180 cm (6 ft) cable
- **Interface:**
  USB
- **Indicators:**
  Tri-state LED, dual tone beeper
- **Transmit Frequency:**
  125 kHz & 13,56 MHz
- **Operating Temperature Range:**
  -30° to 65°C (-22° to 150°F)
- **Operating Humidity Range:**
  5% to 95% relative humidity, non-condensing
- **Storage Temperature Range:**
  -40° to 85°C (-40° to 185°F)
- **Certifications:**
  FCC, CE, RoHS, C-TICK, UL
- **Color:**
  grey

5 FCC and IC Compliance Note

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

6 Configuration Utility

The MiCard PLUS can be configured with the pcProxConfig tool.

The pcProxConfig tool must be installed on a Windows computer first.

Download the software and manual here:

pcProxConfig (Software and Manual download) http://www.nt-ware.com/mom/add_software_download/files/MiCard_Plus/pcProxConfig.zip

When downloaded, unzip the file and run the pcProxConfig.exe file. The install wizard will guide you through the installation.

For the configuration, please refer to the provided user manual.

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