

THE NT-WARE CARD READER PORTFOLIO

MiCard card readers help to secure your print and scan infrastructure

MiCard card readers are the ideal addition to your secure infrastructure and the print and scan functionality that uniFLOW Online and uniFLOW provide. By combining a MiCard card reader with the software, you can lock printers, scanners, or multi-functional devices, allowing only authorized users quick and easy access to the machines' functionality. They help protect printed information against misuse and prevent the waste of printed documents by releasing print jobs only when the owner is physically present at the printer. uniFLOW Online and uniFLOW, supported by a MiCard card reader, ensure your business is more protected, compliant, and sustainable. They improve employee efficiency and constitute a worthwhile investment due to their flexibility and customization options.

The main benefits of a secure print and scan infrastructure



Protect your company, network, employees, and customers

Printers and multi-functional devices are often overlooked as potential points of unauthorized digital access to your network. A physical print job stolen before the rightful owner can pick it up may expose sensitive and proprietary information.



Maintain regulatory compliance

You could incur penalties for failing to protect digital and printed information under many regulations, decrees, and enactments worldwide, e.g. GDPR, the General Data Protection Regulation in the EU.



Prevent waste and save costs

Secure print can substantially reduce costs. Too many print jobs are never picked up, end up in the recycling bin, and waste money, time, and materials, such as paper, toner, maintenance costs, and IT resources.



MiCard card readers – What do they offer?

A simple wave of a contactless card or mobile phone is all you need for secure user identification and access to print jobs at any printer. Compared to other identification means, such as PIN code or user name and password, card readers allow you to log in quickly and conveniently. If you deploy a contactless card for building access, you can use that same card on the devices.

The MiCard card reader families

MiCard PLUS card reader family



The MiCard PLUS card readers can be used with all current Canon multi-functional devices, printers, and scanners. Furthermore, they are generally supported on Brother, Epson, Konica Minolta, Lexmark, OKI, and Sharp multi-functional devices.

- MiCard PLUS C
- MiCard PLUS Ci
- MiCard PLUS BLE

MiCard MultiTech4-NT



The MiCard MultiTech4-NT card readers can be used with all current Canon multi-functional devices, printers, and scanners.

Furthermore, they are generally supported on Brother, Epson, Konica Minolta, Lexmark, OKI, Sharp, and Xerox multi-functional devices.¹

- MiCard MultiTech4-NT-P
- MiCard MultiTech4-NT-PI
- MiCard MultiTech4-NT-P LEGIC
- MiCard MultiTech4-NT-P BLE
- MiCard MultiTech4-NT-PI BLE

¹ uniFLOW Embedded Applets other than Canon may require the involvement of the NT-ware Project Team. In the case of Xerox, the team always needs to be involved.

Flexibility in technology and card types

The overall portfolio of MiCard card readers fulfills numerous requirements and offers the flexibility you need. Different models support all major card technologies available in the market, including advanced technology cards for higher-security needs. You can set all MiCard card readers to simultaneously support several card types, regardless of technology and frequency range. You can configure your MiCard card reader using the relevant configuration tool, which can also be used to reconfigure the reader if the card configuration requirements change.

MiCard card support

125 kHz

Cotag
EM 410x (4100, 4102, 4105), 4150, 4200
HID® Prox
Hitag 1, 2, S
Indala
Keri
Nedap
...

13.56 MHz

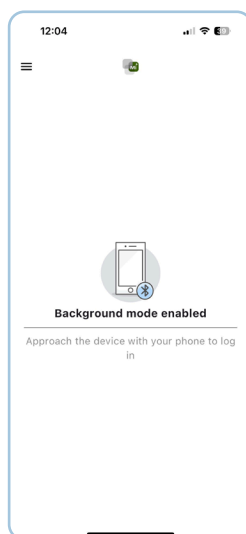
HID® iCLASS®
ISO 14443A
ISO 14443B
ISO 15693
LEGIC Advant
MIFARE Classic®
MIFARE® DESFire®
MIFARE Plus®
MIFARE Ultralight®
NFC Types 1- 4
Sony FeliCa
...

Higher security cards

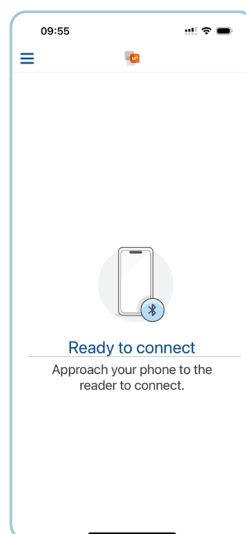
HID® iCLASS® Elite
HID® iCLASS® ID
HID® iCLASS® SE®
HID® iCLASS® PAC
HID® Seos®
LEGIC Prime
...

BLE technology for additional efficiency and flexibility

Some MiCard card reader models additionally include Bluetooth® Low Energy technology, enabling user identification by smartphone. The combined support of technologies provides maximum flexibility to organizations and high convenience for users, who do not need to carry an additional card or can “resort” to their smartphone if they forget their card. All you have to do is download the corresponding app from the Apple App Store® or Google Play™ store:



MiCard PLUS BLE Badge app



MiCard MultiTech4 BLE Badge app





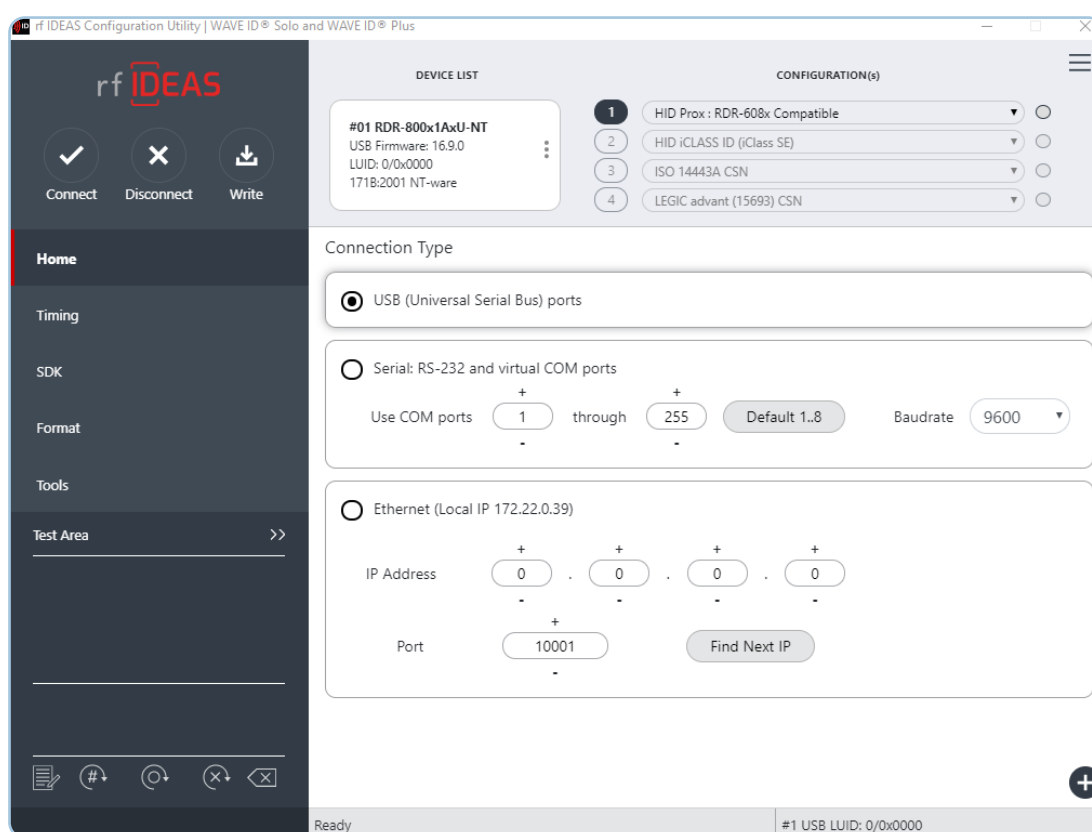
Configuring and updating MiCard card readers

There is a tool for each card reader family that allows you to adapt the card reader's default configuration and support the relevant customer cards. Since MiCard card readers can be set to support several card types (and BLE), businesses deploying more than one card do not have to use different card readers or attach RFID stickers to existing cards to provide users with access to devices. Should a company's requirements change, the MiCard card readers can be reconfigured without incurring further costs for new hardware.

MiCard PLUS card reader family and rf IDEAS Configuration Utility

You use the rf IDEAS Configuration Utility¹ to create an organization's specific configuration file.

- The MiCard PLUS C and Ci can be set to simultaneously support up to four card types, regardless of technology and frequency range.
- The MiCard PLUS BLE can support BLE alone or BLE combined with up to three card types.



rf IDEAS Configuration Utility

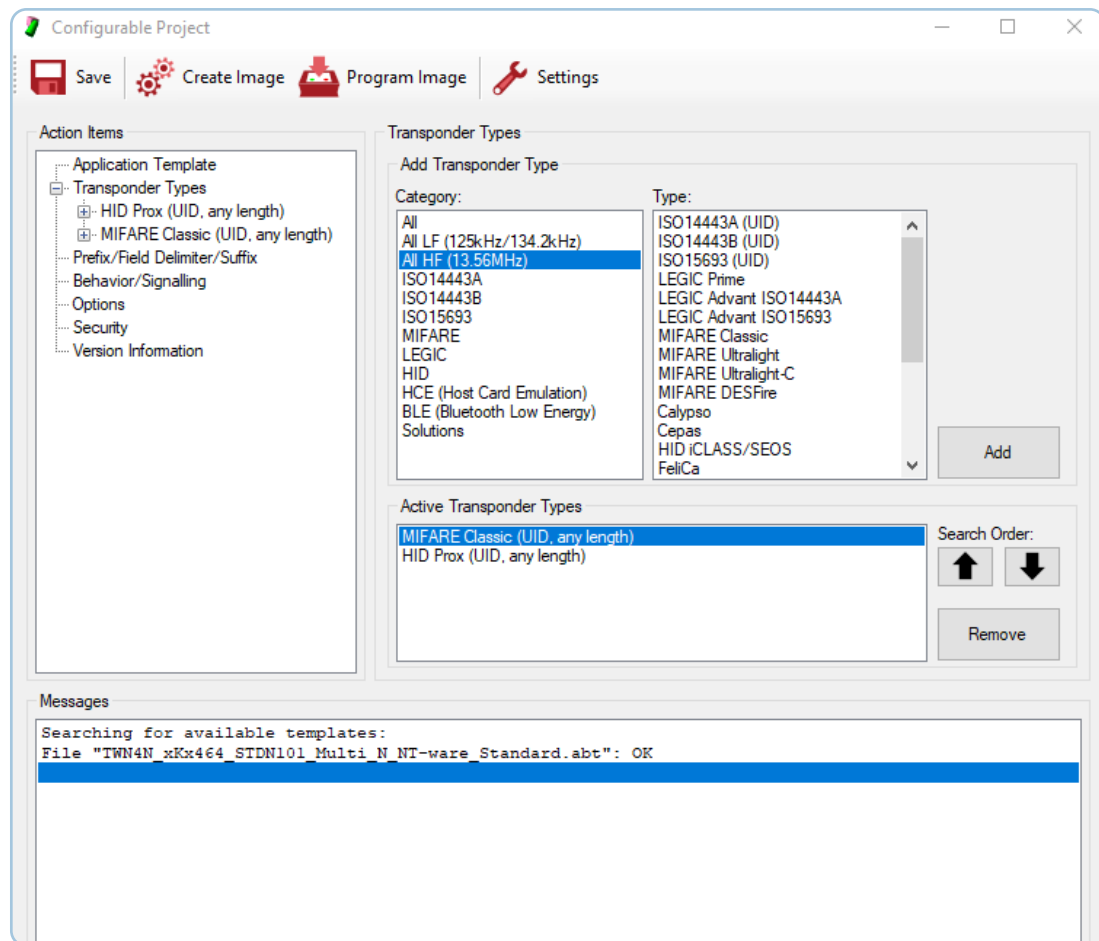
¹ Available on the rf IDEAS website: <https://www.rfideas.com/support/tools/downloads>

MiCard MultiTech4-NT card reader family and AppBlaster (NT-ware Edition)

You use the AppBlaster (NT-ware Edition)¹ to create an organization's specific firmware image (firmware and configuration).

- Versions-P, -PI, and -P LEGIC of the MiCard MultiTech4-NT can be set to support several card types simultaneously, regardless of technology and frequency range.²
- MiCard MultiTech4-NT BLE models support BLE alone or combined with one or more card types.²

Customized configuration tailored to specific customer requirements is possible with the MiCard MultiTech4-NT card readers.³



rf IDEAS Configuration Utility

¹ Available on the NT-ware Customer Portal: MiCard MultiTech4-NT - Installation and configuration manual

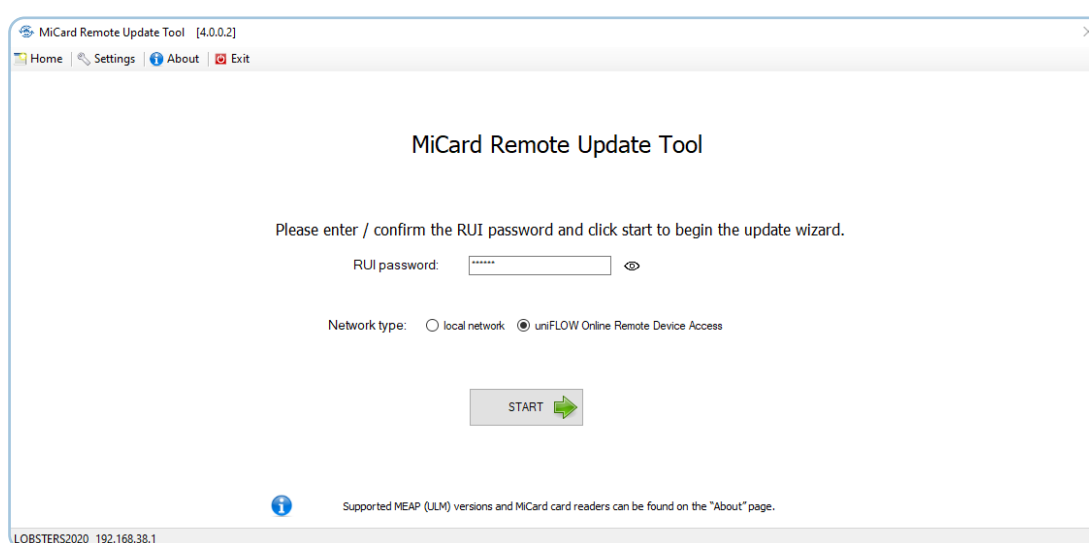
² The default configuration of MiCard® MultiTech4-NT card readers—as shipped by NT-ware—ensures maximum compatibility. Therefore, most supported card types are enabled by default. NT-ware recommends confining the card readers to the customer's specific card types to ensure maximum performance.

³ Customized configuration requires the involvement of the NT-ware Project Team.



Efficient remote updates

The MiCard Remote Update Tool can efficiently manage a remote firmware and/or configuration update of MiCard Multi-Tech4-NT¹ and MiCard PLUS card readers. It is suitable for Canon imageFORCE and imageRUNNER ADVANCE devices in a uniFLOW Online or uniFLOW environment. Regardless of the number of card readers or locations affected, the easy-to-use, wizard-driven application enables a secure update within a remarkably short time involving a small administrative effort.



Integration with uniFLOW Online remote device access

The MiCard Remote Update Tool integrates with the remote update capabilities of uniFLOW Online. Remote device access allows internal IT or external service providers to establish a secure and direct connection to Canon imageFORCE and imageRUNNER ADVANCE devices from anywhere. The only prerequisite is an Internet connection. IT helpdesks can assist users in real time, review settings, and check interface configurations. The remote connection allows secure device access even in Zero Trust networks and does not require onsite staff to assist. The MiCard Remote Update Tool integrates with this feature in that it can use the secure remote connection for updating up to two MiCard card readers at the same time.

For more information on the individual MiCard card readers, please refer to the uniFLOW Online and uniFLOW hardware guide and the dedicated marketing materials on the NT-ware Partner Site. You can also visit our YouTube channel (@NTwa-reuniFLOW) for short introductory videos.

¹ Can also be applied to the former MiCard MultiTech4 card reader models



www.uniflow.global
www.uniflowonline.com
www.syshub.global