

DEVICE MANAGER

POWERED BY

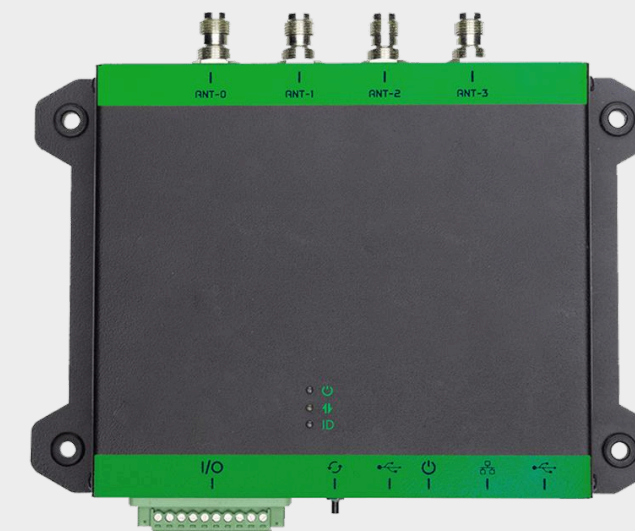
ACID SEAMLESS
RFID
INTEGRATIONS

RFID integration made
simple, flexible and scalable

The problem: a Babel of APIs

What is Device Manager

Device Manager is a local software solution by ACD designed to overcome a major challenge in the RFID industry—the fragmentation of interfaces, APIs, and proprietary command structures used by different reader manufacturers. By unifying these disparate protocols, it streamlines and simplifies the integration of RFID readers, reducing complexity, time and the need for specialized knowledge.



The solution: a Rosetta Stone

Device Manager acts as a universal translator for RFID: it unifies RFID reader interfaces into a standardized set of APIs — ensuring simple, stable and robust integrations by handling all low-level communication.

Thanks to a comprehensive mapping of major UHF readers, Device Manager lets you use any reader with the same language and commands — while ensuring robustness by managing all low-level interactions, without SDKs or device-specific docs.

A close-up photograph of a person's hands typing on a laptop keyboard. The laptop screen is visible in the background, displaying lines of code in a dark-themed editor. The lighting is warm and focused on the hands and keyboard.

The ideal solution for those who need a simple interface, enabling real-time communication with RFID devices while relying on a stable layer that manages low-level complexities and integrates seamlessly with existing applications.

List of Supported Devices

Device Manager supports both UHF and NFC readers

PRODUCER	READER-TYPE	INVENTORY	READ	WRITE	KILL	CUSTOM OP	CONNECTION
Impinj	R220 - UHF	✓	✓	✓	✓	-	Ethernet
Impinj	R420 - UHF	✓	✓	✓	✓	-	Ethernet
Impinj	R700 - UHF	✓	✓	✓	✓	-	Ethernet
Nordic ID	Sampo S1 - UHF	✓	✓	✓	✓	-	Eth, USB
Nordic ID	Sampo S2 - UHF	✓	✓	✓	✓	-	Eth, USB
Feig	CPR 74 - NFC	✓	-	-	✓	✓	USB
Feig	CPR 30 - NFC	✓	-	-	✓	✓	USB
Feig	CPR 4030 - NFC	✓	-	-	✓	✓	USB
Feig	MR 102 - NFC	✓	-	-	✓	✓	USB
Caen	Quattro - UHF	✓	✓	✓	✓	-	Eth, USB
Caen	Slate - UHF	✓	✓	✓	✓	-	Eth, USB
Caen	Tile - UHF	✓	✓	✓	✓	-	USB
Caen	Hex - UHF	✓	✓	✓	✓	-	Eth, USB
Zebra	FX7500 - UHF	✓	✓	✓	✓	-	Eth
Zebra	FX9600 - UHF	✓	✓	✓	✓	-	Eth
Sensormatic	Idx-2000	✓	✓	✓	✓	-	Eth
Tagsys	Medio L40 - NFC	✓	-	-	-	✓	Eth, USB
Checkpoint	CPiD-RFID 400	✓	✓	✓	✓	-	Ethernet

Key Features and Benefits

1

Universal RESTful APIs

Read, write, overwrite, delete, start inventory: all core functions are accessible through a single, standardized syntax.

2

Multi-vendor compatibility

Supports the main UHF and NFC reader families, including fixed, mobile and industrial devices.

3

Full RFID tag management

Operate on EPC, TID, USER MEMORY, NDEF, Crypto, etc and perform batch tag processing.

4

NFC Crypto

Device Manager supports different types of crypto for NFC, either with Web Authentication Mode and Mutual Authentication Mode

5

GS1 Standard Compatibility

The Device Manager APIs return EPCs encoded in SGTIN/GTIN format (EAN, UPC, etc.), ensuring compatibility with the GS1 standard. This allows RFID codes to be handled like traditional barcodes, simplifying integration with POS systems.

Why Device Manager

Device Manager is designed to make RFID application development and multi-reader integration easier and robust. Instead of rewriting code for each reader, you work with a single unified language while the software manages all the underlying complexities for you.

+2.000

Device Manager licenses deployed in industrial, logistics, and retail environments.

The product is trusted by integrators, manufacturers and global brands who need a reliable, flexible and production-ready platform for managing RFID devices in complex scenarios.

