



## RFID NFC HF Wifi Reader

The **Industrial Smart NFC Data Logger** is a high-performance, IoT-enabled device designed to streamline secure identification, real-time data logging, and cloud synchronization. Operating at a frequency of **13.56 MHz**, it combines powerful dual-core processing with massive on-board storage to ensure accurate performance even in offline environments.

Integrated with **MQTT protocol support**, this logger seamlessly transmits data to local or cloud servers, enabling advanced analytics and remote monitoring. Compact, rugged, and optimized for industrial mounting, it is the perfect solution for modern security and automated data management systems.



### Features:

- **Dual-Core Processing:** High-speed SoC with integrated Wi-Fi and Bluetooth for reliable wireless communication.
- **Massive Data Logging:** Equipped with a **16MB (128Mb) High-Speed Flash IC** to store thousands of logs locally without data loss.
- **Cloud Connectivity:** Native support for **MQTT/HiveMQ servers**, allowing real-time data publishing and remote configuration.
- **Precision NFC Reader:** Operates at 13.56 MHz with specialized PCB antenna tuning for swift identification.
- **Industrial Protection:** Built-in ESD protection on data interfaces to withstand electrical noise and static discharge.
- **Power Efficient:** Operates on +5V DC via a secure USB-C interface with optimized power management.
- **Visual & Audio Feedback:** Features dual 3mm THT status LEDs and a high-decibel acoustic buzzer for real-time alerts.

## Technical Specifications:

Parameter	Specification
<b>NFC Frequency</b>	13.56 MHz
<b>Processor</b>	High-Performance Dual-Core with Wi-Fi
<b>On-Board Storage</b>	<b>16MB (128Mbit) Non-Volatile Flash</b>
<b>Communication</b>	MQTT, HTTP, WebSocket via HiveMQ
<b>Reading Time</b>	< 0.5 Seconds
<b>Power Supply</b>	+5V DC (USB-C)
<b>Protection</b>	Integrated ESD Data-line Protection
<b>Visual Indicators</b>	Dual 3mm Status LEDs (Red/Green)
<b>Audio Feedback</b>	High-Decibel Magnetic Buzzer
<b>Enclosure</b>	Industrial Black Polymer (Wall-Mountable)