At NXP®, we go beyond innovation and technology.

We empower the technical community, by delivering smart solutions as well as the knowledge behind their creation. To help you get the most out of NFC and optimize your design, we offer a comprehensive collection of webinars, in-person training programs, and other informative support materials.

In this catalog, you’ll find online training sessions that will enrich your knowledge of NFC products and how to use them. Through these webinars, you’ll learn the background of various NFC features, get to know our development kits, explore some of today’s most compelling use cases and applications, and discover insider tips and techniques for making the most of this remarkable technology.

NFC Training and Support Catalog

NXP NFC Training and Support Homepage
Getting Started

If you’re new to NFC, here’s where to begin. These tutorials will teach you how the technology works, which modes to use and when, the relevant industry standards governing operation, and which support packages to consider using.

- **NFC Essentials**: Get introduced with NFC
- **NFC Use Cases**: Discover the diversity of NFC use cases
- **NFC Standards**: Learn about the core NFC functionalities standards and specifications
- **Product Support Package for NFC Readers and NFC Connected Tags**: Find out about NXP’s extensive product support package for NFC Readers and NFC Connected Tags
- **NFC in Android**: Discover the possibilities of NFC-enabled infrastructure and the integration of Android OS

*Click on the play button to watch webinars.*
Webinars

NXP’s NFC Products

Explore our feature sets and see what NFC can do for you.

NXP’s NFC Product Portfolio
As the co-inventor of the NFC technology and the leading provider of NFC solutions, NXP’s NFC product portfolio offers the widest selection of form, fit, and function.

NFC Product Portfolio
Overview of NFC Readers and NFC Connected Tags product portfolio and an NFC product selection guideline

NXP development boards for NFC readers
Extend your NFC product knowledge with summary of NFC reader development boards

NFC Connected Tags
Small, passive tag ICs best suited and most cost-effective solution to embedded system designs.

Connected NFC Tags
Introduction to NTAG® product family

NTAG I2C plus: Your entryway to NFC
Overview, features & applications of NTAG I2C plus

NTAG I2C plus: Product support package
Approaches to security in UHF based systems

NTAG I2C plus kit for Arduino pinout
How NFC simplify network commissioning process

Complete Line card of NFC and Contactless Reader solutions (PDF)
NFC Trainings Catalog

NFC's NFC Products

PN7150
Full NFC Forum-compliant NFC Controller with Integrated firmware.

PN7150 product support package
PN7150 product presentation
Overview, features & applications of PN71x0 family

PN5180
Full NFC Forum-compliant frontend IC for contactless communication methods and protocols.

PN5180 Introduction
Overview, design tools, documentation and benefits of PN5180
PN5180 Support Package
Get started with OM25180FDK development kit

A guide to get your product EMVCo certified using PN5180
Product features and processes required to configure a PN5180 for EMVCo certification

PN7462
NFC Cortex®-M0 microcontroller with optional contact interface for access control.

First all-in-one full NFC solution support package
PN7462 characteristics and its derivatives

CLRC663 plus
High-performance multi-protocol NFC frontend.

Push your NFC design further
The characteristics and use cases for the CLRC663 plus

Webinars

NFC's NFC Products

Tips & Techniques
Use Cases & Applications
Antenna Design

Getting Started
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Tips & Techniques

When you’re ready to start working with a specific operating system or development tool, refer to these webinars for step-by-step instructions and expert how to’s.

- How to integrate NFC frontends in Linux
- How to integrate NFC controllers in Linux
- How to port the NFC Reader Library to K64F
- How to port the NFC Reader Library to the i.MX RT & other MCUs
- How to leverage NFC in LPC8N04
- How to use the NFC Reader Library – support for NFC frontend solutions
- How to add NFC to your products using the NFC Nutshell Kit
- How to build your own reader
- How to do NFC pairing for audio devices
- How to do Bluetooth pairing with the NTAG I²C plus kit for Arduino pinout
- How IoT Solutions are made easy with NFC
  - NTAG I²C plus kit for Arduino pinout 1
  - NTAG I²C plus kit for Arduino pinout 2
Webinars

Use Cases & Applications

Explore the possibilities of NFC with these in-depth webinars. Each one is an insider’s guide to where NFC adds value, with special insights based on real-world experience and actual designs.

**Industrial Applications**
NFC Use Cases for Industrial Applications

**Consumables**
NFC in Consumables and Accessories

**IoT**
Why NFC enables new IoT applications

**Access Control**
NFC in Access Control

**Consumer**
NFC in Consumer Electronics

**IoT**
Enhancing Everyday Products with NFC

**Smart Home**
NFC for Smart Home

**POS**
NFC for POS, mPOS and mobile payments

**IoT**
Added Value to Card Based Environments Through NFC and the Cloud

**Gaming**
NFC in gaming: Tap-and-Play
Succeeding with NFC antennas is often one part science, one part art. Here’s where you’ll find the expertise to proceed with confidence, and deliver optimized performance in an elegant design.

**NFC Antenna Design Series**

1. Which antenna for what purpose?
2. Antenna matching
3. Metal environment
4. Optimization and debugging
5. Test & qualification
6. EMC related design

NFC Antenna Design online training series to help you get started fast and learn key design aspects to consider when selecting the right antenna.

**Antenna Design Considerations**

- **Antenna design considerations for NXP NFC reader solutions**
  - Find out the antenna principle and NFC antenna design procedure for NXP solutions, NFC reader test and qualification

**OM29263ADK**

- **Design your NFC Antenna with NXP’s OM29263ADK development kit**
  - Get an overview of the OM29263ADK development kit and its usage

**NTAG I²C plus Antenna Design**

- **NTAG I²C plus NFC antenna design tools**
  - Your ultimate guide to designing antennas for the NTAG I²C plus

**Antenna Design Tools**

- **NFC Cockpit Tool: The complete design tool for engineers**
  - How to use the NFC Cockpit Tool to design and implement NFC applications

- **Latest NFC Antenna Design Hub**
  - How to get started with antenna design with the free Antenna Design Tool

- **NTAG I²C plus NFC antenna design theory**
  - Hands-on how-to-guide to facilitate your antenna design based on NTAG I²C plus