NFC Training and Support Catalog

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.

| NXP NFC Training and Support Homepage | EXPLORE |

Webinars

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
▶

Click on the play button to watch webinars

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
▶

NFC in iOS13
Watch how NFC unlocked new potentials with iOS13 and NXP connected tags
▶

Webinars

NXP's NFC Readers 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 a wide 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

▶

PDF

Complete Line Card of NFC and Contactless Reader Solutions (PDF)

↓

Webinars

NXP's NFC Readers Products – NEW

PN7160 – NEW

NFC Plug and Play controller with integrated firmware and NCI interface.

PN7160 Introduction

Overview, support packages, applications and features of PN7160

▶

Get Started with PN7160/61

PN7160/61 support for seamless NFC integration

▶

PN5190 – NEW

NFC frontend supporting challenging RF environment for payment, physical access control.

Get Ahead with the PN5190

Overview, applications and key features of PN5190

▶

PN5190 Tutorials

PN5190 Dynamic Power Control quick calibration and TxShaping demo

▶

Webinars

NXP's NFC Readers Products

PN7150

Full NFC Forum-compliant NFC controller with integrated firmware.

PN7150 Product Presentation

Overview, features & applications of PN71x0 family

PN7462

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

First All-in-one Full NFC Solution Support Package
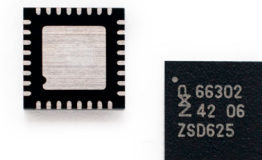
PN7462 characteristics and its derivatives

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

PN5180 DPC Correlation Test

PN5180 DPC correlation demo

PN5180 Wave Shape Type A

PN5180 type A wave shapes optimization demo

PN5180 DPC Calibration

PN5180 DPC calibration execution demo

CLRC663 *plus*

High-performance multi-protocol NFC frontend.

Revitalize NFC Design

Updates and additions to the CLRC663 *plus* family expansion

CLRC663 *plus*: Push Your NFC Design Further

Overview, features and application, documentation of CLRC663 *plus*

CLRC663

Webinars

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 port the NFC Reader Library to the i.MX RT & other MCUs ▶

How to add NFC to your products using the NFC Nutshell Kit ▶

How to use the NFC Reader Library – support for NFC frontend solutions ▶

How to integrate NFC controllers in Linux ▶

How to leverage NFC in LPC8N04 ▶

How to build your own reader ▶

How to do NFC pairing for audio devices ▶

How to port the NFC Reader Library to K64F ▶

How to

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

Webinars

Antenna Design

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 Cockpit Tool

NFC Antenna Design Series

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

> **NFC Antenna Design** 6-part series ▶

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

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 ▶

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**
>
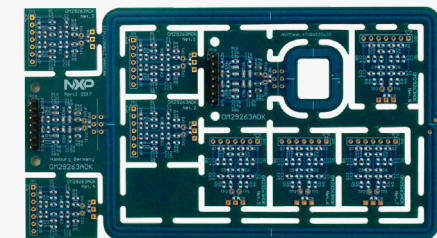> How to get started with antenna design with the free Antenna Design Tool ▶

OM29263ADK

> **Design Your NFC Antenna with NXP's OM29263ADK Development Kit**
>
> Get an overview of the OM2926ADK development kit and its usage ▶

OM29263ADK development kit