



# OM27462CDK: NFC Controller development kit

## Overview

OM27462CDK is a complete kit enabling easy and fast development of applications. It contains a PN7462 NFC controller board (PNEV7462B), several antenna options and a selection of NFC sample cards and tags.

## Features

- Easy antenna design with NFC Cockpit software and PCBs adaptors for antenna matching
- Easy application development with full NFC Forum compliant and contact software libraries
- Smartcard reader and SAM slots extension
- Two different antennas (65 mm x 65 mm and 30 mm x 50 mm) with matching components
- 3 PCBs for individual antenna matching
- 10 PN7462 samples

## Supported Devices

- [PN7360AUHN](#): NFC Cortex-M0 microcontroller with 80 kB Flash
- [PN7462AUHN](#): NFC Cortex-M0 microcontroller with 160 kB Flash and contact interface



**PN7462 Controller Development Kit  
OM27462CDK**

PN7462 is the first all-in-one full NFC controller solution. The separate development kit OM27462CDK contains:

- PN7462B with standard 6562mm antenna
- 30-200mm antenna with matching components
- 3 PCBs for individual antenna matching
- NFC sample cards and tags
- 2 USB cables (A to mini and mini to mini)
- 12 PN7462 samples
- Quick start guide
- OM27462 NFC-CCID debug adapter

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**PN7462 Controller Development Kit  
OM27462CDK Quick Start Guide**



This kit ensures an easy and quick development of NFC applications running on the PN7462, PN7362, or PN7363. It contains:

- PN7462B with standard 6562mm antenna
- 30-200mm antenna with matching components
- 3 PCBs for individual antenna matching
- NFC sample cards and tags
- 2 USB cables
- 12 PN7462 samples
- 12 V3C power supply
- OM27462 NFC-CCID debug adapter



This kit is part of an extensive product support package. It demonstrates all functionalities of the PN7462 family and eases the development of customized applications as well as the antenna design. All documentation, videos, tutorials and software libraries can be downloaded from the product page: [www.nxp.com/products/PN7462A4UH](http://www.nxp.com/products/PN7462A4UH)

- 1. Setting up the development board**  
The OM27462 PN7462 Quick Start Guide Customer Board provides instructions on:  
  - How to connect the development board
  - How to download the LPUXpress environment
  - How to merge various projects and examples in the development environment
- 2. Executing software examples**  
A collection of software examples shows how to integrate the NFC, contact card and USB interfaces for the PN7462 family.  
  - IC-CCID reader: working with NFC, CT and USB (OM27462 PN7462 IC-CCID Reader User Manual)
  - Access reader: working with iCCE and MIFARE, with or without a SAM (OM27462 PN7462 Access Reader User Manual)
- 3. Starting custom development**  
The OM27462 PN7462 Software User Manual describes the software architecture and all components to successfully create fully customized projects.



For additional information please visit: [www.nxp.com/demos/om27462cdk](http://www.nxp.com/demos/om27462cdk)

