



OM5569-NT322E: NTAG I²C *plus* Explorer Kit (Demo Kit)

Overview

NXP's NTAG I²C *plus* Explorer Kit is an all-in-one demonstration/development resource for NFC connected tags. Designed to emulate using an NTAG I²C *plus* tag chip in an embedded electronic system, the kit centers around a multi-purpose microprocessor-based development/demo board, and includes a full complement of hardware and software tools to support investigation of the NTAG I²C chip operation, the NFC RF communication link, and the I²C serial bus connected link; perform a variety of demonstrations; and develop/test your own applications.

Features

- **NFC Explorer Board with PCB antenna board:** A FCC and CE certified dual purpose demonstration and development hardware board based on the NXP LPC 11U24 microcontroller, with onboard LCD display, NXP LM75B temperature sensor, voltage monitors, I²C serial bus connector, and JTAG debug connector to demonstrate bi-directional I²C serial bus/NFC communication, illustrate NDEF messaging, monitor energy harvesting capability, and provide a localized application development environment
- **Additional NFC flex antenna:** NTAG I²C *plus*tag chips mounted on a Class 6 Flex-board with built-in I²C serial bus interface connectors for easier product insertion and testing. If more flex antennas or different sizes are needed OM5569-NT322F Flex antenna kit can be ordered.
- **NTAG I²C *plus* packed SO8 samples:** 10 NTAG I²C *plus* samples may be used for first prototypes.
- **Field Detector Board:** An RF detector with visual (LED) output to facilitate location of the optimum RF field, or to ensure that NFC has been enabled
- **NTAG I²C *plus* Demo Application:** Android™ NTAG I²C NFC read/write demonstration application software for NFC-enabled mobile phones available from Google Play Store. All source code available on this web page. Windows based application and source code can also be downloaded from this site. For windows based application Identive CLOUD 3700F reader is needed. The reader is only part of OM5569-NT322ER Explorer kit with NFC reader.
- **Peek and Poke Application:** A PC-based NTAG I²C device register and memory exploration software tool with a graphical user interface. Application and source code is available on this homepage.

Supported Devices

- [NT3H2111 2211](#): NTAG I²C plus, NFC Forum Type 2 Tag with I²C interface optimized for entry-level NFC applications

