

NFC Transceiver Booster Pack

(ACTIVE) DLP-7970ABP

- Description & Features
- Technical Documents
- Support & Training
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See Also

Software for use with the DLP-7970ABP is available for download from <http://www.ti.com/lit/zip/sloc297>.

[View all related products](#)

Description

The third party provider DLP Design NFC/RFID BoosterPack (DLP-7970ABP) is an add-on board designed to fit all of TI's MCU LaunchPads.

This BoosterPack allows the software application developer to get familiar with the functionalities of TRF7970A Multi-Protocol Fully Integrated 13.56 MHz NFC/ HF RFID IC on their Texas Instruments Embedded microcontroller platform of choice without having to worry about developing the RF section.

[Take a look at the example code software for the TRF7970A NFC BoosterPack](#)

Disclaimer: DLP Design, Inc. is not associated with DLP® products of Texas Instruments.

Features

- Compatible with NFCLink Library
- Compatible with MSP430G2x LaunchPad
- Compatible with C2000 LaunchPad
- Compatible with TIVA C Series LaunchPad
- Compatible with Hercules LaunchPad
- 13.56MHz HF RFID Reader/Writer
- Supports ISO 15693, 18000-3, 14443A/B, and FelICa
- RFID/NFC Reader, NFC Peer, or in Card Emulation mode
- NFCIP-1 (ISO/IEC 18092) and NFCIP 2 (ISO/IEC 21481)
- On-board Antenna
- FCC/IC Modular Approvals in Place
- Operational Power Supplied by LaunchPad



Discover Near Field Communication technology

This video series compares various wireless technologies, highlights TI's portfolio and shows you how to get started with your design.

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Do you have questions about Near Field Communication?

Learn about key NFC characteristics as well as TI solutions and application areas.

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What's Included

- DLP-7970ABP Board
- 1 Type 2 NFC Tag

Order Now

Part Number	Buy from Texas Instruments or Third Party	Buy from Authorized Distributor	Status
NFCLINK-BNDL: NFCLink Launchpad Evaluation Kit Bundle with MSP430FB LaunchPad	(USD) In Stock Typically Ships in 1 to 3 Business Days In Stock Typically Ships in 1 to 3 Business Days Buy from TI	Not Available	ACTIVE
TRF7970A-BNDL: TRF7970A Launchpad Evaluation Kit Bundle with MSP430 LaunchPad Value Line	(USD) In Stock Typically Ships in 1 to 3 Business Days In Stock Typically Ships in 1 to 3 Business Days	Not Available	ACTIVE

DLP-7970ABP: TRF7970A NFC BoosterPack	(USD) In Stock Typically Ships in 1 to 3 Business Days In Stock Typically Ships in 1 to 3 Business Days Buy from TI	Pricing may vary. Buy from distributor	ACTIVE
NFLINK-BNDL-MSP432: NFC/RFID BoosterPack + MSP432 LaunchPad Evaluation Kit Bundle	(USD) Order Online	Not Available	ACTIVE

Contact a Distributor

TI's Standard Terms and Conditions for Evaluation Modules apply.

Technical Documents

Datasheet (1)

Title	Abstract	Type	Size (KB)	Date	Views
TRF7970A Multiprotocol Fully Integrated 13.56-MHz RFID and Near Field Communication (NFC) Transceiver IC datasheet (Rev. L)		PDF	3497	27 Mar 2017	

Application notes (3)

Title	Abstract	Type	Size (KB)	Date	Views
RF430FRL152H NFC Sensor Tag Application Example With MSP430 Microcontrollers	Read Abstract	Multiple Files		11 Oct 2016	1,079
DLP-7970ABP Hardware Update Overview	Read Abstract	PDF	1179	18 Aug 2015	338
MIFARE DESFire EV1 AES Authentication With TRF7970A	Read Abstract	Multiple Files		30 Dec 2014	795

User guides (2)

Title	Abstract	Type	Size (KB)	Date	Views
DLP-7970ABP Example Code (Rev. C)		ZIP	148	23 Mar 2017	1,260
NFLink Standalone Getting Started Guide		PDF	3288	22 Dec 2016	844

More literature (2)

Title	Abstract	Type	Size (KB)	Date	Views
RFID BoosterPack TRF7970ABP With MSP430F5529 LaunchPad (PPT)		PDF	3852	10 Dec 2013	341
RFID BoosterPack TRF7970ABP With MSP430G2 LaunchPad (PPT)		PDF	2227	10 Dec 2013	872

Related Products

Software (1)

Name	Part Number	Software Type
NFLink NFC/HF RFID Firmware	NFLINK	Application Software & Frameworks

Design Kits & Evaluation Modules (3)

Name	Part Number	Tool Type
MSP430FB LaunchPad Evaluation Kit	MSP-EXP430F5529LP	Evaluation Modules & Boards
NFC Transceiver Add-on Target Board Module	TRF7970ATB	Development Kits
NFC Transceiver Evaluation Module	TRF7970AEVM	Evaluation Modules & Boards

TI Devices (6)

Part Number	Name	Product Family
MSP430F5529	16-Bit Ultra-Low-Power Microcontroller, 128KB Flash, 8KB RAM, USB, 12Bit ADC, CIs, 32Bit HW MPY	MSP430 ultra-low-power MCUs
MSP430G2553	MSP430G2x53, MSP430G2x13 Mixed Signal Microcontroller	MSP430 ultra-low-power MCUs
MSP430G2553-Q1	MSP430™ Ultra-Low-Power Microcontrollers for Automotive Applications	MSP430 ultra-low-power MCUs
RF37S114	Tag-it HF-I Type 5 NFC, ISO15693 Transponder, 4 mm × 4 mm	Wireless Connectivity
TRF7964A	TRF7964A Multi Protocol Fully Integrated 13.56-MHz NFC / RFID Reader/Writer IC	Wireless Connectivity

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Introduction to NFCLink

Through this training, you will be introduced to NFCLink, a TI solution consisting of hardware, firmware library and software stack for Near Field Communications (NFC).

Posted: 28-Aug-2013
Duration: 19:08
Views: 1129

Related Videos



Introduction to NFCLink