

NXP DEVELOPMENT BOARDS

	NFC FRONTENDS						
Image				 Flexible and easy-to-use SBC Kit with Arduino interface for many LPCpresso, Kinetis and i.MX boards	 Flexible and easy-to-use SBC Kit with BeagleBone Black interface board	 Flexible and easy-to-use SBC Kit with Raspberry Pi interface board	
Name	PN5180 NFC Frontend Development Kit	MFRC630/SLRC610 Frontend Development Board	CLRC663 <i>plus</i> Frontend Development Kit	PN7150 NFC Controller SBC kit for Arduino	PN7150 NFC Controller SBC kit for BeagleBone Black	PN7150 NFC Controller SBC kit for Raspberry Pi	PN7462 Controller Development Kit
Ordering number	OM25180FDK	CLEV6630A	OM26630FDK	OM5578/PN7150ARD	OM5578/PN7150BBB	OM5578/PN7150RPI	OM27462CDK
12NC	9353 073 19699	9353 391 48699	9353 391 51699	9353 090 78699	9353 090 77699	9353 090 76699	9353 076 73699
Supported products	PN5180	CLRC663, MFRC630, MFRC631, SLRC610	CLRC663 <i>plus</i>	PN7150			PN7462, PN7362, PN7360

<p>Contents</p>	<ul style="list-style-type: none"> • PNEV5180B board with 65*65mm antenna • 30*50mm antenna with matching component • 3 PCBs for individual antenna matching • NTAG216F NFC sample card • 10 PN5180 samples in HVQFN package 	<ul style="list-style-type: none"> • CLRC663 development board 	<ul style="list-style-type: none"> • CLEV6630B development board with 65*65mm antenna • 30*50mm antenna with matching components • 3 PCBs for individual antenna matching • NTAG216F NFC sample card • 10 CLRC663 plus samples in HVQFN package 	<ul style="list-style-type: none"> • PN7150 NFC controller board • Arduino Interface board • NTAG216 NFC Sample Card 	<ul style="list-style-type: none"> • PN7150 NFC controller board • BeagleBone Interface board • NTAG216 NFC Sample Card 	<ul style="list-style-type: none"> • PN7150 NFC controller board • Raspberry Pi Interface board • NTAG216 NFC Sample Card 	<ul style="list-style-type: none"> • PNEV7462B development board including 65 x 65 mm antenna • 30 x 50 mm antenna with matching components • 3 PCBs for individual antenna matching • Sample cards and tags • 2 USB cables • 10 PN7462 samples • VDC power supply • OM13054 LPC-Link2 debug adapter
<p>Key features</p>	<ul style="list-style-type: none"> • Full compliance with all standards relevant to NFC, contactless operation and EMVCo • Onboard dynamic power control (DPC) • Active load modulation • Low-power card detection • Artificial damping of the RF field in the middle of the antenna simulating real conditions • LPC1769 MCU on board • SPI interface accessible for 	<ul style="list-style-type: none"> • Artificial damping of the RF field in the middle of the antenna simulating real conditions • LPC1769 MCU on board • Antenna can be separated from reader section • SPI interface accessible for connection of other MCU 	<ul style="list-style-type: none"> • Highest RF performance • Full EMVCo compliance • Low-power card detection • Artificial damping of the RF field in the middle of the antenna simulating real conditions • LPC1769 MCU on board • SPI interface accessible for connection of other MCU 	<ul style="list-style-type: none"> • Full NFC compliant expansion board with Arduino Compatible Interface platforms • Compliance with Reader mode, P2P mode and Card emulation mode standards • NFC integration with LPCXpresso, Kinetis and i.MX boards 	<ul style="list-style-type: none"> • Full NFC compliant expansion board for BeagleBone Black • Compliance with Reader mode, P2P mode and Card emulation mode standards • Integrated High performance RF antenna 	<ul style="list-style-type: none"> • Full NFC compliance board for Raspberry Pi • Compliance with Reader mode, P2P mode and Card emulation mode standards • Integrated High performance RF antenna 	<ul style="list-style-type: none"> • Easy antenna design with NFC Cockpit SW • PCBs adaptors for antenna matching • Easy application development with full NFC Forum complaint and contact software libraries • Smartcard reader and SAM slots extension

	connection of other MCU						
Certification	CE, FCC	CE, FCC, MIC	CE, FCC, MIC	CE, FCC	CE, FCC	CE, FCC	CE, FCC
Software & Tools	<ul style="list-style-type: none"> • NFC Reader Library • NFC Cockpit 	<ul style="list-style-type: none"> • NFC Reader Library • NFC Cockpit 	<ul style="list-style-type: none"> • NFC Reader Library • NFC Cockpit 	<ul style="list-style-type: none"> • Linux Driver support • Android driver support • RTOS and Null OS support 	<ul style="list-style-type: none"> • Linux Software Stack • Android driver support 	<ul style="list-style-type: none"> • Linux Software Stack • Windows IoT driver 	<ul style="list-style-type: none"> • NFC Cockpit • PN7462AU FW and software example
Target Applications	Payment, POS & mPOS terminals, physical access control, industrial and eGOV	Industrial, single protocol reader, public transport, gaming	Access control, payment, gaming				Multi-market USB reader solutions, access control, e-Gov, EMVCo, simple POS terminals, USB readers, home banking, home eID, gaming console accessories

Explanations:

*Single Board Computer (SBC)

ALL DEMO KITS COME WITH QUICK STRT GUIDES AND USER MANUALS. Please go to nxp.com, type the part number into the search bar and find community discussions, videos, and a rich set of documentation on the dedicated demo kit page.

