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EVAL-ADF70XX: Development Platform for ADF702X family of ISM band Transceivers

This development platform provides the hardware and software to both evaluate and develop a low power, low data rate, wireless network using any of the ADF702X ISM band transceivers with the ... More

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Lead(Pb) - Free Data
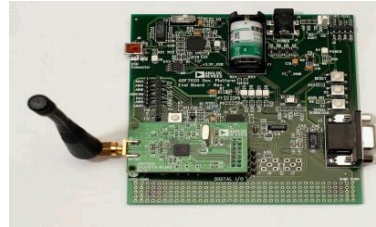Application Notes
Evaluation Boards/Tools

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Features

ADIismLink - ETSI 868/433MHz duty cycled protocol and FCC 902 -928MHz Frequency Hopping protocol.

Low power, duty cycled protocol intended mainly for wireless sensor, telemetry and alarm applications.

Star Network Topology, 1 Base Unit & up to 255 remote End Points.

PHY and MAC layers of ADIismLink highly configurable in application software.

ADIismLink restricted source code provided to allow user specific applications to be developed.

Several demonstration networks provided including a temperature sensor network.

Allows out of the box range testing.

Detailed documentation explaining the ADIismLink protocol, hardware, and application software.

Diagrams

Symbols and Footprints

EVAL-ADF70XX

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Part#	Modulation Mode	Output Frequency Range	Maximum Data Rate (kbps)	Programmable Output Power	+10dBm Pwr Consumption	Package	Price* (1000-4999)
ADF7010	FSK/ASK/GFSK	902-928 MHz	76	-20dBm to +10dBm	30mA	24-Lead Tssop	$1.69
ADF7011	FSK/ASK/GFSK	433-435MHz, 866-870MHz	76	-20dBm to +10dBm	30mA	24-Lead Tssop	$1.69
ADF7012	FSK/ASK/GFSK	50-1000 MHz	150	-16dBm to +13dBm	21mA	24-Lead Tssop	$1.52
ADF7020	FSK/ASK/GFSK	431-478 MHz, 862-956 MHz	200	-16dBm to +13dBm	26mA	48-Lead CSP	$2.23
ADF7020-1	ASK/FSK/OOK, FSK/ASK/GFSK	135MHz to 650MHz.	200	-16dBm to +13dBm	21mA	48-Lead CSP	$2.23
ADF7021	2FSK, 3FSK, 4FSK	80-650 MHz, 862-940 MHz	25	-16dBm to +13dBm	29mA	48-Lead CSP	$2.88
ADF7021-N	2FSK, 3FSK, 4FSK	80-650 MHz, 842-916 MHz	24	-16dBm to +13dBm	29.2mA	48-Lead CSP	$2.88
ADF7025	FSK	431-464 MHz, 862-870 MHz , 902-928 MHz	384	-16dBm to +13dBm	27mA	48-Lead CSP	$2.88
ADF7901	ASK/FSK/OOK	369.5MHz-395.9MHz	20	'+5dBm to +14dBm	21mA	24-Lead Tssop	$1.52
ADF7902	FSK	369.5MHz-395.9MHz	2	-	-	24-Lead Tssop	$1.52

* The pricing listed here is provided only for budgetary purposes as recommended list price in U.S. Dollars in the United States ex factor per unit for the stated volume. Pricing displayed for Evaluation Boards and Kits is based on 1 -piece pricing.

** Pricing is currently unavailable. Click on the product number to see the Product Page for additional information.

Pricing, Packaging & Availability   Print Table

EVAL-ADF70XX Model Options

Model	Status	Package	Pins	Temp. Range	Price* (1000 pcs.)	Production** Availability	ROHS Compliant	Samples Cart	Purchase Cart
EVAL-ADF70XXEKZ1	Prodn	EVALUATION BOARDS	-	Ind	$50.60	11/21/2008	Y	Contact ADI	Add To Cart
EVAL-ADF70XXMBZ2	Prodn	EVALUATION BOARDS	-	Ind	$151.80	12/19/2008	Y	Contact ADI	Add To Cart

*The USA list pricing shown is for BUDGETARY USE ONLY, shown in United States dollars (FOB USA per unit for the stated volume), and is subject to change. International prices may differ due to local duties, taxes, fees and exchange rates. For volume -specific price or delivery quotes, please contact your local Analog Devices, Inc. sales office or authorized distributor. Pricing displayed for Evaluation Boards and Kits is based on 1 -piece pricing.

**Sample availability may be better than production availability. Please enter samples into your cart to check sample availability.

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