

Product Details

The ADV7521NK is an 80 MHz, high definition multimedia interface (HDMI®) v.1.3 transmitter. It supports HDTV formats up to 1080i and 720p, and computer graphic resolutions up to XGA (1024 × 768 @ 75 Hz).

The ADV7521NK supports both S/PDIF and 2-channel I²S audio. Its high fidelity 2-channel I²S can transmit stereo at up to 192 kHz sampling rate. The S/PDIF can carry stereo LPCM audio or compressed audio including Dolby® Digital and DTS®.

The ADV7521NK helps to reduce system design complexity and cost by incorporating such features as an I²C master for EDID reading, a single 1.8V power supply and 5 V tolerance on I²C and hot plug detect pins.

Fabricated in an advanced CMOS process, the ADV7521NK is available in a space saving, 49-ball,... [Show More..](#)

Comparable Parts | [Click to see all in Parametric Search](#)

Product Lifecycle

 [Not Recommended for New Designs](#)

This designates products ADI does not recommend broadly for new designs.

Alternative Parts

[ADV7524A](#) : Low Power HDMI®/DVI Transmitter with Consumer Electronic Control (CEC)

[ADV7513](#) : 165 MHz High Performance HDMI Transmitter

[ADV7511](#) : 225 MHz, High Performance HDMI® Transmitter with ARC

Evaluation Kits (1)

[EVAL-ADV7521NK](#)

| [ADV7521NK Evaluation Board](#)

EVAL-ADV7521NK

Product Details

This page provides ordering information for the ADV7521NK Low-Power HDMI®/DVI Transmitter with Consumer Electronic Control (CEC) evaluation board.

[View Detailed Evaluation Kit Information](#)

Documentation

AN-1050: A Method for Compressing I²C Scripts for the ADV74xx/ADV75xx/ADV76xx/ADV78xx (Rev. 0)

PDF

111 kB

Reference Materials

2 See All

1 Technical Articles

1 Videos

Technical Articles

Analysis of Common Failures of HDMI CT

By Brett Li and Lie Dou, ATV Product Line, Analog Devices (Digital TV DesignLine,

Videos

ADV7521NK : Low-Power HDMI®/DVI Transmitter with CEC

Design Resources

ADI has always placed the highest emphasis on delivering products that meet the maximum levels of quality and reliability. We achieve this by incorporating quality and reliability checks in every scope of product and process design, and in the manufacturing process as well. "Zero defects" for shipped products is always our goal.

[ADV7521NK Material Declaration](#)[PCN-PDN Information](#)[Quality And Reliability](#)[Symbols and Footprints](#)

Discussions

ADV7521NK Discussions

Re: ADV7521 moving to ADV7511

[All ADV7521NK Discussions](#)

Sample & Buy

Model	Package	Pins	Temp Range	Packing Qty	Price (100-499)	Price (1000+)	RoHS	Order from Analog Devices
ADV7521NKBCBZRL-80 Request PCN/PDN Notification Production	CHIPS W/SOLDER BUMPS/WLCSP	49	-25 to 85C	Reel, 5000			Y Info	Contact ADI

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[Price Table Help](#)

Evaluation Boards

Pricing displayed is based on 1-piece.

Model	Description	RoHS	
EVAL-ADV7521NK-CKZ Obsolete	Evaluation Board	-	Yes

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15,000

Problem Solvers

4,700+

Patents Worldwide

125,000

Customers

50+

Years

Ahead of What's Possible

ADI enables our customers to interpret the world around us by intelligently bridging the physical and digital with unmatched technologies that sense, measure and connect. We collaborate with our customers to accelerate the pace of innovation and create breakthrough solutions that are ahead of what's possible.

[See the Innovations](#)

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