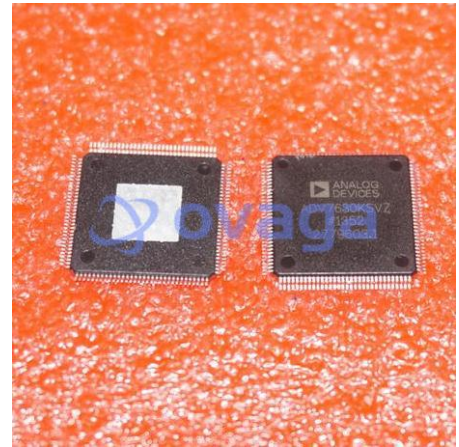


Video ICs 3Gbs 4:2 HDMI cross point supports HDMI

Manufacturers	Analog Devices, Inc
Package/Case	TQFP128
Product Type	Audio & Video Products ; HDMI/DVI Receivers
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for ADV7630KSVZ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The ADV7630 integrates an HDMI CEC controller that supports the capability discovery and control (CDC) feature.

The ADV7630 incorporates XpressView™ fast switching on all input HDMI ports. Using an Analog Devices, Inc., hardware-based HDCP engine that minimizes software overhead, XpressView technology allows fast switching between all HDMI input ports in less than 1 second.

Each HDMI input port has dedicated 5 V detect and hot plug assert pins. The HDMI receiver also includes an integrated equalizer that ensures robust operation of the interface even with long and low quality cables.

Each HDMI has a dedicated hot plug detect port and DDC lines along with an internal HDCP encryption engine.

The ADV7630 features an EDID replicator and internal EDID RAM. On the transmitter side, DDC control allows reading back EDID data from sink. As the part incorporates an internal regulator, the EDID functionality on the receiver's side can be powered from the HDMI cable when ac power is removed from the system.

Fabricated in an advanced CMOS process, the ADV7630 is provided in a 14 mm × 14 mm, 128-lead surface-mount TQFP_EP, RoHS-compliant package and is specified over the 0°C to 70°C temperature range.

Applications

Video conferencing

HDTV

AVR, HTiB

Soundbar

Video switch

HDMI splitter

Features

2.25 GHz TMDS HDMI 1.2 splitter with 4:1 input mux

High-Definition Multimedia Interface (HDMI) supported All mandatory and additional 3D video formats supported CEC 1.4-compatible

225 MHz maximum TMDS clock frequency XpressView fast switching on all HDMI input ports

36-/30-bit per pixel Deep Color and 24-bit per pixel color support High-bandwidth Digital Content Protection (HDCP) 1.4 support with internal HDCP keys See data sheet for additional features

General Interrupt controller with interrupt output On-chip 5 V regulator for 5 V HDMI cable power support Software libraries, driver, and application available Internal EDID RAM 128-lead 14 mm × 14 mm TQFP_EP package

Application

Video conferencing

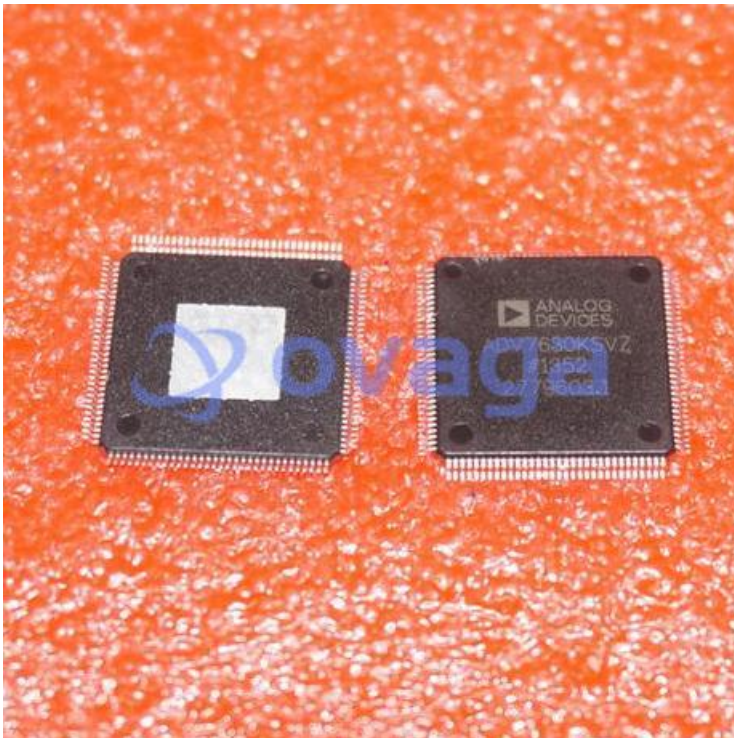
HDTV

AVR, HTiB

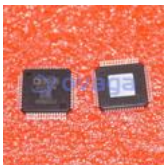
Soundbar

Video switch

HDMI splitter



Related Products



[ADV7511WBSWZ](#)

Analog Devices, Inc
LQFP-100



[ADV7511KSTZ-P](#)

Analog Devices, Inc
LQFP-100



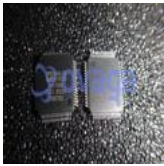
[ADV7842KBCZ-5](#)

Analog Devices, Inc
CSPBGA-256



[ADV7180BSTZ](#)

Analog Devices, Inc
LQFP-64



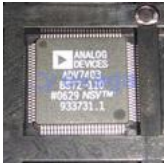
[ADV7181BBSTZ](#)

Analog Devices, Inc
LQFP64



[ADV7180BCPZ](#)

Analog Devices, Inc
QFN-40



[ADV7403BSTZ-110](#)

Analog Devices, Inc
LQFP-100



[ADV7401KSTZ-140](#)

Analog Devices, Inc
LQFP-100