PMAX-IN HDMI4

HDMI input card

Features

- 4 HDMI-A connectors, 4 3.5mm audio sockets.
- Maximum transmission distance is up to 35 meters.
- Support hot-swapping function; Support synchronized switching of audio and video signals; Support AUTO DELAY.
- Support input selection between analog audio and the HDMI embedded audio signals.
- Support EDID reading.
- Compatible with HDMI1.3a standards, HDCP1.3 protocols, and DVI1.0 protocols.
- Maximum supported resolution:
  HDPC:1920x1200P@60,
  HDTV:1920x1080P@60.

Specifications

The parameter name		PMAX-IN HDMI4
Protocol	HDMI1.3a, HDCP1.3, DVI1.0	
Video	Gain	0 dB
	Pixel bandwidth	165MHz, full digital
	Interface bandwidth	2.25Gbps, full digital (a total of 6.75Gbps, each color is 2.25Gbps)
	Maximum support resolution	HDPC: 1920x1200P@60, HDTV: 1920x1080P@60;
	Clock Jitter	〈0.15 Tbit
	Rise time	〈0.3Tbit (20%--80%)
	Fall time	〈0.3Tbit (20%--80%)
	Maximum transmission delay	5nS(±1nS)
	Connector	4 female connector, 4 3.5mm audio socket
	Signal strength	T.M.D.S. +/- 0.4Vpp
	Minimum / maximum level	T.M.D.S. 2.9V/3.3V
	Impedance	50 Ω
	EDID	Optional default EDID or field programmable
	Maximum DC offset error	15mV
	Recommended maximum input/ output distance	Less than 35 meters, in the 1600x1200@60 (recommended use certified HDMI special wire, such as Molex TM wire)
The product weight		About 0. 5kg
Maximum power dissipation		15W

PMAX-IN DVI4

DVI input card

Features

- 4 DVI-D connectors, 4 3.5mm audio sockets.
- Maximum transmission distance is up to 35 meters.
- Support hot-swapping function; Support synchronized switching of audio and video signals; Support AUTO DELAY.
- Support and analog audio and DVI video signals input.
- Support EDID reading.
- Support DVI1.0 protocols.
- Maximum supported resolutions:
  HDPC: 1920x1200P@60,
  HDTV: 1920x1080P@60.

Specifications

The parameter name		PMAX-IN DVI4
Protocol	DVI1.0	
Video	Gain	0 dB
	Pixel bandwidth	165MHz, full digital
	Interface bandwidth	2.25Gbps, full digital (a total of 6.75Gbps, each color is 2.25Gbps)
	Maximum support resolution	HDPC: 1920x1200P@60, HDTV: 1920x1080P@60;
	Clock Jitter	〈0.15 Tbit
	Rise time	〈0.3Tbit (20%--80%)
	Fall time	〈0.3Tbit (20%--80%)
	Maximum transmission delay	5nS(±1nS)
	Connector	4 DVI-D female connectors, 4 3.5mm audio socket
	Signal strength	T.M.D.S. +/- 0.4Vpp
	Minimum / maximum level	T.M.D.S. 2.9V/3.3V
	Impedance	50 Ω
	EDID	Optional default EDID or field programmable
	Maximum DC offset error	15mV
	Recommended maximum input/ output distance	Input less than 35 meters (1600x1200@60), recommend use certified DVI special wire such as Molex TM wire
The product weight		About 0. 5kg
Maximum power dissipation		15W

PMAX-IN HD4

Twisted-pair input card

Features

- 4 RJ45 connectors; 4 6-PIN phoenix sockets.
- Maximum output transmission distance ups to 100M via a CAT5e/6 cable.
- Support hot-swapping function; Support synchronized switching of audio and video signals; Support AUTO DELAY.
- Compatible with HDBaseT protocols.
- Maximum resolutions supported:
  HDPC: 1920x1200P@60,
  HDTV: 1920x1080P@60.

Specifications

The parameter name		PMAX-IN HD4
Connector	4 high-speed RJ45 connectors and 4 6-pin phoenix sockets	
Input/output of LINK connector	Protocol	HDBaseT protocol
	Pixel bandwidth	165MHz, full digital
	Interface bandwidth	2.25Gbps, full digital (a total of 6.75Gbps, each color is 2.25Gbps)
	Maximum support resolution	HDPC: 1920x1200P@60, HDTV: 1920x1080P@60;
	Signal type	High speed contrast signal defined in HDBaseT protocol
	POE	With POE power supply function (+48V), when combined with CREATOR CAT5 series transmitters, PMAX-IN HD4 card can supply power to other devices via a CAT 5e/6 cable. Pay attention to that this card can not be connected with the transmitter which is a POE power supply equipment.
	Impedance	50 Ω
	EDID	Optional default EDID or field programmable
	Maximum DC offset error	15mV
	Recommended maximum input/ output distance	Less than 100 meters (1600x1200@60), recommend use certified NEXANS CAT5e/6 wire
The product weight		About 0. 5kg
Maximum power dissipation		27W

PMAX-IN VGA4

VGA input card

Features

- 4 DB15 female input connectors, 4 3.5mm audio sockets.
- Support input signal formats of VGA, CVBS, YPbPr at the same time, auto-detect of the signal source.
- Support hot-swapping function; Support synchronized switching of audio and video signals; Support AUTO DELAY.
- Support analog audio input.
- Maximum input resolutions supported:
  HDPC: 1920x1200P@60,
  HDTV: 1920x1080P@60.

Specifications

The parameter name		PMAX-IN VGA4		
Connector	Db15 connector, 3.5mm audio socket			
Video	Signal type	Composite video (CV)	Component video YPbPr	VGA video
	Gain	0dB	0dB	0dB
	Bandwidth	150MHz @ -3dB	350MHz @ -3dB	380 MH
	Differential phase error	0.1°,3.58 -4.43 MHz	0.1°,3.58 -4.43 MHz	——
	Differential gain error	0.1%,3.58 -4.43 MHz	0.1%,3.58 -4.43 MHz	——
	Signal strength	1Vpp: Composite video (CVBS)	1Vpp: (Y in YPbPr), 0.3Vp: (PbPr/CbCr in YPbPr)	0.63 Vpp ~ 0.9 Vpp
	Minimum/maximum level	Analog signal: -2V/+2V	Analog signal: -2V/+2V	RGB signal: 0V/1.0V HV signal: 0V/5.0V
	Input impedance	75 Ω	75 Ω	75 Ω
	Return loss	〈-30dB@ 5MHz	〈-30dB@ 5MHz	〈-30dB@ 5MHz
The product weight		About 0. 5kg		
Maximum power dissipation		20W		