

HDB100a-4K DP/VGA/HDMI (HDBase-T) Extender



IMOWARE HDB100a-4K support HDMI/DP up to 4K@30Hz and VGA up to 1920 x 1200@60Hz, with HD video/audio, bi-directional RS232 and 2-way power over CAT5e/6 cable. It is an ideal solution for extending PC/laptop to a display output to a projector/monitor application. With a metal face plate at transmitter unit to provide installer a flexible installation to fit the TX unit at wall or on a meeting table, which is a perfect application at video conference room.

DP/VGA/HDMI Auto Switch to HDBaseT Extender with PoC/PoE

- To send and extend DP/VGA/HDMI signal over one CAT5e/Cat6a cable.
- Auto switch or manually setting for DP, VGA and HDMI inputs.
- VGA support stereo audio convert to HDMI output, resolution up to 1920x1200@60Hz.
- Transmission range up to 70M by CAT5e/6a cable.
- Support Bi-directional RS232, PoC/PoE , and CEC.
- Max. Data Rate- 10.2Gbps.
- HDMI 1.4 and HDCP 1.4 compliance.
- Audio support up to LPCM 7.1 (LPCM, Dolby TrueHD, DTS-HD Mater Audio)

Cable:

Link cable recommend use high quality Cat.5e 、Cat.6 、Cat.6a 、Cat.7 UTP / STP or FTP cable. Poor quality cable or network connection or improper construction will cause unstable connection, video or sound disruptions, picture noise appears.

Distance chart by different cable:

Cable Type	Range	Supported Video
CAT5e / CAT6	60M	1080p 60Hz 12bit
CAT6a / CAT7	70M	
CAT5e / CAT6	35M	1080p 60Hz 16bit Up to 4096x2160@30Hz 4:4:4(10.2Gbps)
CAT6a / CAT7	40M	

If connection through the wall socket, the cable length must be equal or less 5 meters between extender and source/destination.

Specification:

ITEM NO.	HDB100A-4KT	HDB100A-4KR
HDMI Interface	HDMI Type A	
VGA Interface	VGA 15-Pin D-Sub	
DP Interface	DP Female	
DP/HDMI Video Support	Up to 4096 x 2160@30Hz	
VGA Video Support	Up to 1920 x 1200@60Hz@24bits	
Audio Support	Up to LPCM 7.1 192Khz · Dolby TrueHD · DTS-HD MA	
Analog Stereo Interface	3.5mm terminal x 1	
HDBaseT Connector	RJ45 x 1	
HDBaseT Distance	70M (Max)	
RS-232 interface	3-pin cresnet	
RS-232 Data Rate	115200 bps / Duplex	
Power Supply	DC 24 / 1.25A	
Temperature	Operation: 0 to 55°C, Storage: -20 to 85°C, Humidity: up to 95%	
Dimension	86 x 86 x 41 mm	115 x 65 x 16
Weight	205g	203



Rev. A