

H.264 HD AV Streaming over Ethernet or Power-line

AL9M803B-EVB-A6


Features

- Supports up to 1920x1080@60i or 1920x1080@24p input sources
- H.264 compression technology
- Uses PLC for wireless streaming
- Supports different PLC technology including HomePlug-AV, HD-PLC, and UPA
- MPEG-1 layer II Stereo Audio supported, optional 5.1 channel for AC-3 and AAC
- One transmitter works with 3 receivers
- Back channel to support remote IR control
- Supports HDMI and HDCP V1.1
- Optional interfaces: HDMI V1.3, HDCP V1.2, YPbPr, S/PDIF, RCA stereo audio

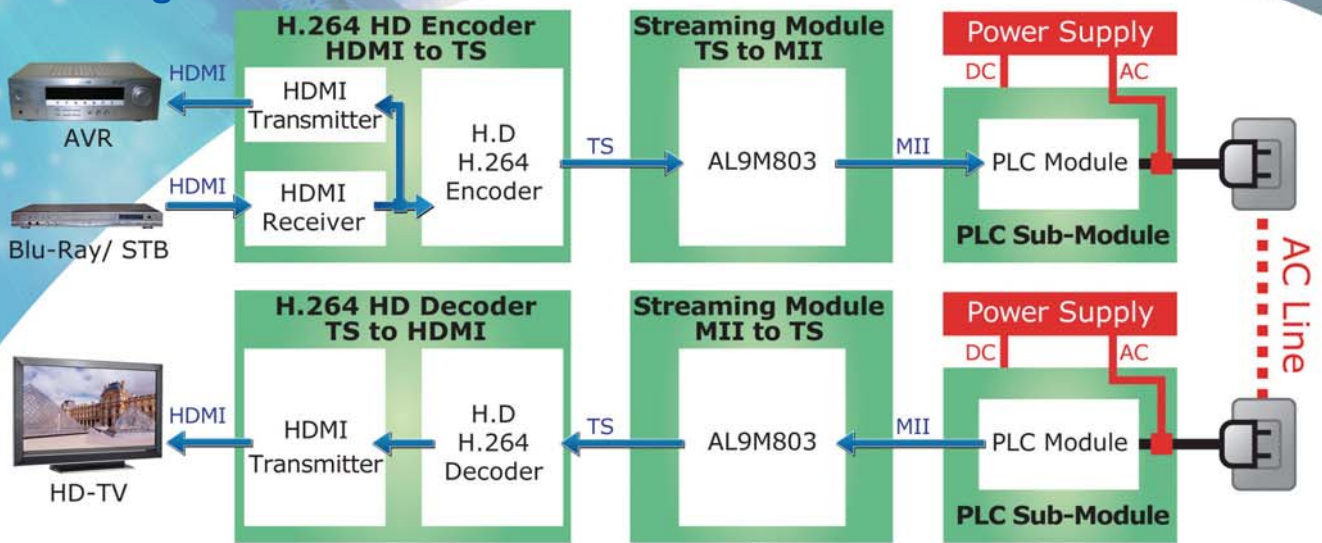
Introduction

Make the most of your TV viewing experience with the AL9M803B-EVB-A6 PLC Video Link module. This two unit module, consisting of a receiver and a transmitter, wirelessly delivers H.264 HD video and audio from your A/V equipment, such as Blu-ray Disc™ players or video game consoles, to your compatible HDTV display. The PLC Video Link receiver is easily connected to your HDTV via HDMI™ and eliminates the hassles of in-wall wiring while your A/V equipment is connected directly to the transmitter. It supports one HDMI source device that is able to be controlled with the included remote controller.

Specifications

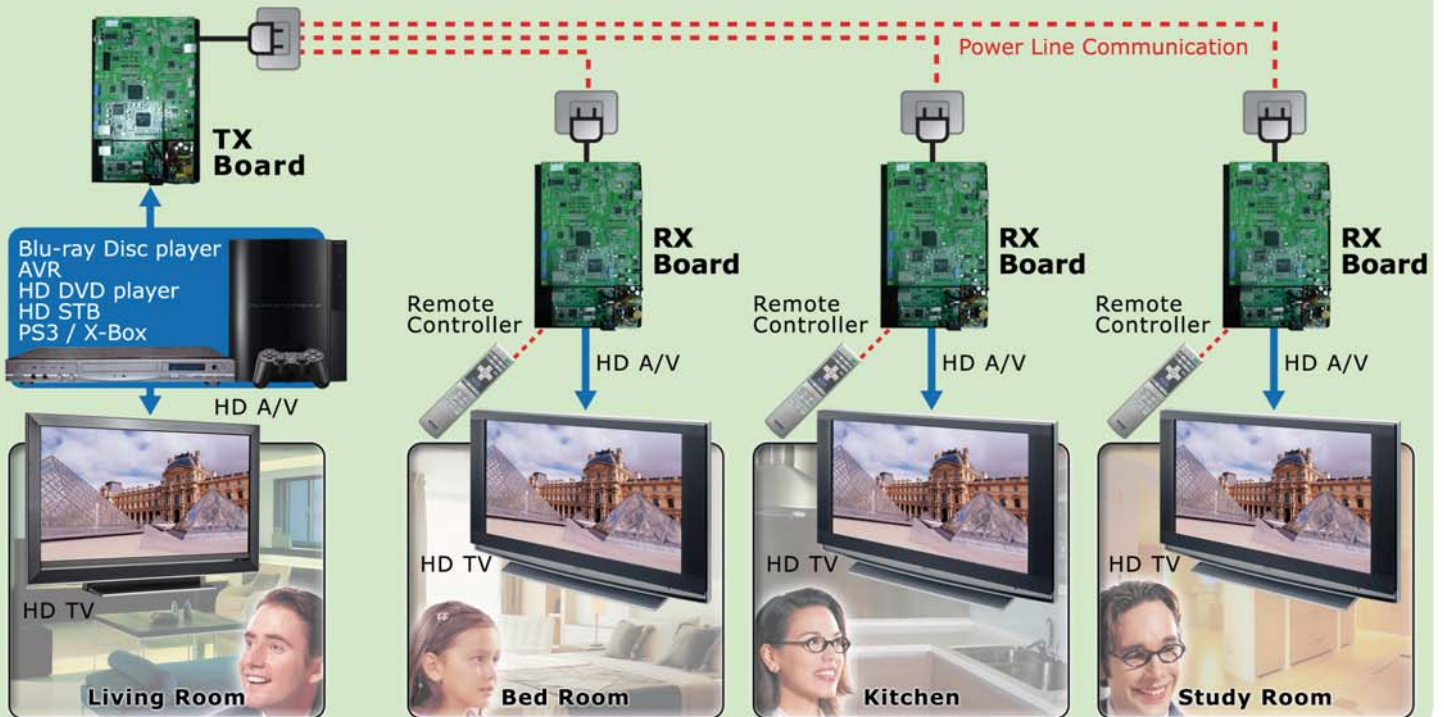
Receiver	Video	Resolution(s) Supported : 1920x1080@59.94i 1920x1080@50i 1920x1080@24p 1280x720@59.94p 1280x720@50p 720x480@59.94i 720x576@50i
	Audio	Resolution(s): 16/24-bit Sampling rate: 44.1K/48K/96KHz
	Input/Output	AC Power connection : x1 HDMI™ Connection Output(s) : x1 IR Sensor: x1 for different carriers Optional: 4xHDMI, YPbPr, S/PDIF, RCA Stereo audio
Transmitter	Video	Resolution(s) Supported : 1920x1080@59.94i 1920x1080@50i 1920x1080@24p 1280x720@59.94p 1280x720@50p 720x480@59.94i 720x576@50i
	Audio	Resolution(s): 16/24-bit Sampling rate: 44.1K/48K/96KHz
	Input/Output	AC Power connection : x1 HDMI™ Connection Input(s): x1 HDMI™ Connection Output(s): x1 IR Blaster : x1 Terminal Optional: YPbPr, S/PDIF, RCA Stereo audio
System	Video Compression	H.264 Level 4
	Audio Compression	Default MPEG-1 layer 2, optional AAC and AC-3
	HDMI	Version 1.1, optional Version 1.2 or 1.3
	HDCP	Version 1.1, optional Version 1.2
	Transmission PLC	HomePlug-AV, HD-PLC, UPA
	Transmission Distance	300 feet
	Multiple streaming	1 TX to 3 RX
Power	QoS	Proprietary Bandwidth Management
	Power supply module	Input: 100 to 240V AC, Output: 3.3V DC ,Max. 4A
System Power Consumption	Tx/Rx Module	12W max.
Environment	Temperature	Operating: 10 to 55 degrees C, Storage: -20 to 70 degrees C

System Diagram



Application Scenario

Scenario1: Streaming HD A/V source to HDTV everywhere at home without new wires



Scenario 2: Streaming HD video camera to remote side for monitoring or recording

