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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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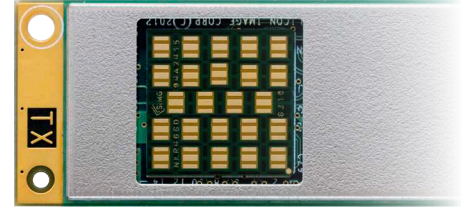
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



# MOD6320-T

## WirelessHD<sup>®</sup> Transmitter Module

The MOD6320-T/MOD6320-4K-T is a WirelessHD module for highly integrated video source devices and transmitter adapters built with SiBEAM<sup>®</sup> technology. The transmitter module provides a digital audio/video interface compatible with HDMI<sup>®</sup>, enabling wireless transmission of high quality video to any WirelessHD-compliant receiver. WirelessHD effectively eliminates unsightly cable installation, while maintaining the same visual quality and reliability.



### Applications

- Wireless video transmit adapter
- Medical source and displays
- Industrial source and displays
- Blu-ray player
- Set-top boxes

### Key Features

- WirelessHD v1.1 compliant
- 60 GHz wireless video free from interference
- MOD6320-T supports maximum video resolution 1080p/60Hz
- MOD6320-4K-T supports maximum resolution 1080p/120Hz or 4K30 when used with SiI9396 HDMI bridge device<sup>1</sup>
- Average 5 ms video latency, ideal for real-time video delivery
- Surround sound audio
- CEC or AVC commands
- HDCP content protection

### Benefits Summary

- Quick time-to-market
- Sub-frame latency
- Ease of use and installation

### Industry-Standard Compliance

- WirelessHD Specification v1.1
- HDMI 1.4b / 2.0
- HDCP 1.4 / 2.2

### Digital Input/Output

- HDMI
- USB for debug
- I<sup>2</sup>C for advanced control

### Wireless Range

- Up to 10 m in-room

### Operating Frequency

- 59.40 GHz to 63.72 GHz
- Channels 2 and 3

### Operating Temperature

- 0 to 60 °C ambient temperature

### Modular Regulatory Approval

- IC (Canada)
- SRRC (China)
- ETSI (EU)
- KCC (Korea)
- TELEC (Japan)
- FCC (USA)

### Module Dimensions

- 74 mm x 17 mm x 5.4 mm
- Cable length 30 mm

### Ordering Information

Part Number: MOD6320-T  
Part Number: MOD6320-T-C\*

Part Number: MOD6320-4K-T<sup>1</sup>  
Part Number: MOD6320-4K-T-C\*<sup>1</sup>

All parts include module.

\* Also Includes cable

<sup>1</sup> 4K modules require SiI9396 device. Please order separately.

### Applications Support

[www.latticesemi.com/support](http://www.latticesemi.com/support)

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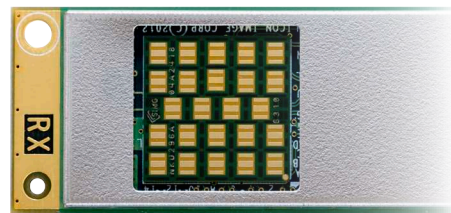
May 2017  
Order #: SPB001 Rev.4



# MOD6321-R

## WirelessHD<sup>®</sup> Receiver Module

The MOD6321-R/MOD6321-4K-R is a WirelessHD module for highly integrated display devices and receiver adapters built with SiBEAM<sup>®</sup> technology. The receiver module provides a digital audio/video interface compatible with HDMI<sup>®</sup>, which allows reception of high quality video from any WirelessHD-compliant transmitter. WirelessHD effectively eliminates unsightly cable installation, while maintaining the same visual quality and reliability.



### Applications

- Wireless video receive adapter
- Medical displays
- Industrial displays
- Video projector

### Key Features

- WirelessHD v1.1 compliant
- 60 GHz wireless video free from interference
- MOD6321-R supports maximum resolution 1080p/60Hz
- MOD6321-4K-R supports maximum resolution 1080p/120Hz or 4K30 when used with SiI9396 HDMI bridge device<sup>1</sup>
- Average 5 ms video latency
- Surround sound audio
- CEC or AVC commands
- HDCP content protection

### Benefits Summary

- Quick time-to-market
- Sub-frame latency
- Ease of use and installation

### Industry-Standard Compliance

- WirelessHD Specification v1.1
- HDMI 1.4b / 2.0
- HDCP 1.4 / 2.2

### Digital Input/Output

- HDMI
- USB for debug
- I<sup>2</sup>C for advanced control

### Wireless Range

- Up to 10 m in-room

### Operating Frequency

- 59.40 GHz to 63.72 GHz
- Channels 2 and 3

### Operating Temperature

- 0 to 60 °C ambient temperature

### Antenna Polarization Options

- MOD6321-R/MOD6321-4K-R (Single Polarization)
  - Recommended for stationary applications
- MOD6321-R-12/MOD6321-4K-R-12 (Dual Polarization)
  - Recommended for portable applications

### Modular Regulatory Approval

- IC (Canada)
- SRRC (China)
- ETSI (EU)
- KCC (Korea)
- TELEC (Japan)
- FCC (USA)

### Module Dimensions

- 74 mm x 17 mm x 5.4 mm
- Cable length 30 mm

### Ordering Information

Part Number: MOD6321-R  
Part Number: MOD6321-R-C\*

Part Number: MOD6321-R-12  
Part Number: MOD6321-R-12-C\*

Part Number: MOD6321-4K-R<sup>1</sup>  
Part Number: MOD6321-4K-R-C\*<sup>1</sup>

Part Number: MOD6321-4K-R-12<sup>1</sup>  
Part Number: MOD6321-4K-R-12-C\*<sup>1</sup>

All parts include module.

\* Also Includes cable

<sup>1</sup> 4K modules require SiI9396 device. Please order separately.

### Applications Support

[www.latticesemi.com/support](http://www.latticesemi.com/support)

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May 2017  
Order #: SPB002 Rev.4

