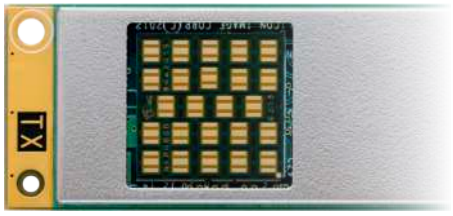
MOD6320-T

WirelessHD® Transmitter Module

The MOD6320-T/MOD6320-4K-T is a WirelessHD module for highly integrated video source devices and transmitter adapters built with SiBEAM® technology. The transmitter module provides a digital audio/video interface compatible with HDMI®, 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[1]
- 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^2C 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[1]
Part Number: MOD6320-4K-T-C*[1]

All parts include module.
* Also Includes cable
[1] 4K modules require SiI9396 device. Please order separately.

Applications Support
www.latticesemi.com/support

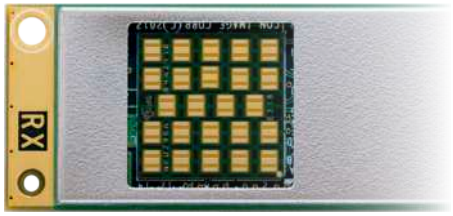
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May 2017
Order #: SPB001 Rev.4

MOD6321-R

WirelessHD® Receiver Module

The MOD6321-R/MOD6321-4K-R is a WirelessHD module for highly integrated display devices and receiver adapters built with SiBEAM® technology. The receiver module provides a digital audio/video interface compatible with HDMI®, 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[1]
- 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^2C 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[1]
Part Number: MOD6321-4K-R-C*[1]

Part Number: MOD6321-4K-R-12[1]
Part Number: MOD6321-4K-R-12-C*[1]

All parts include module.
* Also Includes cable
[1] 4K modules require SiI9396 device. Please order separately.

Applications Support
www.latticesemi.com/support

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May 2017
Order #: SPB002 Rev.4