

HuddleCamHD USB2AIR

Wireless USB 2.0 Link

The HC-USB2-AIR is a stable, low-latency Wireless USB Link designed for Wireless USB (2.0) devices of all kinds, including Wireless Virtual Reality, Augmented Reality and Mixed Reality applications.

Model Number:

HC-USB2-AIR

<http://huddlecamed.com/usb2air/>

KEY FEATURES

- 15' to 20' Range (line of sight)
- Universal USB 2.0 Compatibility
- WiMedia PHY v1.1
- Low Latency (<2ms)
- Compact Form Factor
- Simple Setup
- Low Power Consumption
- 4 Devices per Link
- 8 Links per Area (Room)
- Windows 7/8/8.1/10



WHAT'S IN THE BOX

- 1 Device Transceiver Module
- 1 Host Transceiver Module
- 1 USB-FF Power Adapter
- 1 2m USB 2.0 M-M Cable
- 1 5V Power Supply for Power Adapter



Suggested Applications - USB 2.0 connectable:

- Barcode Scanner
- Camera
 - Webcam
 - PTZ cam
 - Scope cam
- HDD/SSD (or enclosure)
- Keyboard
- Memory stick (flash drive)
- Microscope
- Microphone
- Mouse
- Network Interface
- Printer
- Scanner
- Sensor
- Speaker
- TV Tuner
- Video Adapter
- VR Gesture Control
- VR Headset
- And More....

General Specifications

Standards	WiMedia PHY v1.1 and USB 2.0
Practical Bandwidth	30 Mbps per link
Max USB Devices/ Link	4 (via USB 2.0 Mini Hub)
Max No. of Links/ Area	8
Supp. WiMedia Band Grps	1, 3, 6 (3.1 - 9 GHz)
Cert. Band Grp & Freq	Band 1, 3168 - 4752 MHz
Operational Latency	1-2 milliseconds
Operating System	Windows 7 and above

Electrical Specifications

Electrical Index	5V nominal (4.5V-5.5V)
Transmit Power	Typically < 1.0W
Receive Power	Typically < 1.15W
Idle Power	Typically < 0.60W
Working Environment	Indoor

Warranty

Mfg. Warranty	1 Year Parts & Labor
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RF Specifications

Rx Sensitivity	Minimum (dBm)	Typical (dBm)
53.3 Mbps, PER < %8	-61	-78
106.7 Mbps, PER < %8	-68	-76
200 Mbps, PER < %8	-65	-72
320 Mbps, PER < %8	-63	-70
400 Mbps, PER < %8	-62	-68
480 Mbps, PER < %8	-60	-67
Transmitted Signal PSD	Max. -41.3 dBm/MHz	

Physical Specifications (per module)

Module Dimensions (in.)	3.25L x 1.94W x 3.25H (w/antenna)
Module Dimensions (mm)	83L x 50W x 83H (w/antenna extended)
Module Weight	0.05 lbs. (0.02 Kg)
USB Pinout	Std USB2.0 (1:+5V, 2:Data-, 3:Data+,
Operating Temperature	32 °F to 113 °F (0 °C to 45 °C)