



WIRELESS RECORDING INTERFACE FOR INTAN RHD2132/16

The DSPW RCB-W24A-LVDS v2 module is a low-cost, battery powered, 2.4GHz Wi-Fi interface for Intan Technologies RHD2132/16 headstage boards.

Useful for untethered, awake, behaving recordings of Action and Field potentials, ECoG, EKG, EMG.

Contact DSPW for pre-release availability

Limited number of units available for pre-order. Includes Open Ephys GUI plugin for configuration, control, waveform display, and recording.

RCB-W24A-LVDS v2 Module Features:

- 2.4GHz 802.11n IoT Wi-Fi interface
- Differential SPI LVDS Intan RHD interface
- 12 Pin Omnetics nano LVDS connector
- COTS removable, rechargeable battery
- Approx. 3hrs recording with included battery
- Onboard PCB trace or external Antenna option
- Module footprint - 2.0" x 1.5" x 0.55"
- Weight 19g, with battery 37g. Jacket mountable
- Browser interface for Wi-Fi SSID configuration
- Open network API- TCP control- UDP data stream
- MIT MWorks IO device support for network triggers

Display and Recording Software included:

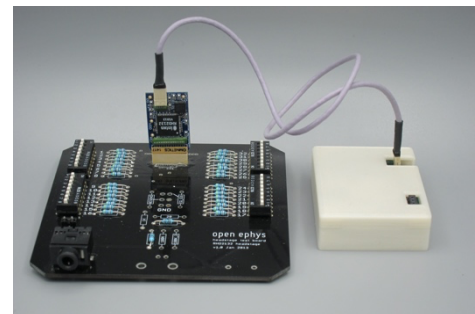
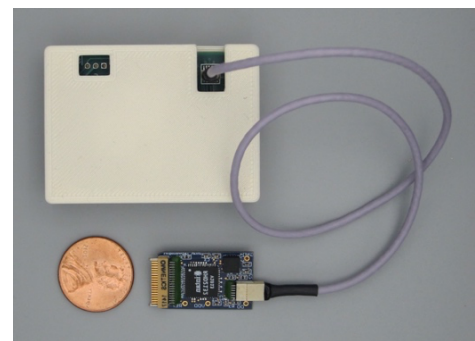
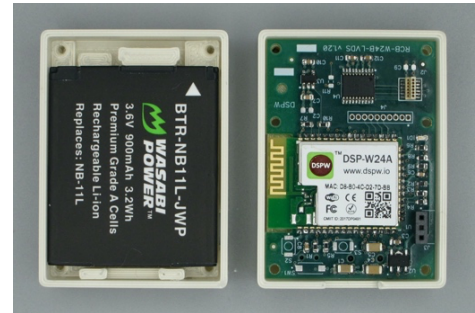
- Open Source Open Ephys GUI source plugin
- Easy to use IP address configuration and control
- Waveform display and recording to disk
- Real time battery voltage indicator
- Wi-Fi packet and Intan RHD health indicators
- HTTP Post TTL Event trigger mechanism
- Capture 32 RHD channels plus 3 aux channels.
- Windows 10 and MacOS available Q3 2023

RCB-W24A-LVDS provides easy interface to:

- 32 RHD2132 channels at 20ksps, 16 bits
- 16 RHD2132 channels at 30ksps, 16 bits
- 16 RHD2116 channels at 30ksps, 16 bits

Various other wireless designs are in development. Get in touch to get your requirements into the mix.

Check out www.dspw.io for more info!



*OE headstage test board not included.
*Intan RHD board/cable not included.

DSPW acknowledges support from:

