

i-DAQ24XL/W

24-Bit, 16 KS/s, Simultaneous
4,8,16-Ch EEG System, Wi-Fi/Ethernet



Features

- 4, 8, 16 input channels
- 24-bit A/D converter, with up to 16 KHz sampling rate
- Programmable gain
- Synchronous acquisition, editing and display of EEG signals
- Built-in impedance testing function
- A/D triggering mode
- Portable
- Wireless Connection (Wi-Fi)

Introduction

i-DAQ24XL/W is a real-time digital EEG/ECG/EMG/EOG Device that collects research-grade brain and neural signals in 4/8/16 channels. It delivers high-quality EEG Machine signals through state-of-the-art hardware and software design and a built-in impedance test module. It makes an anti-interference wireless data transmission technology to the controller (PC) for a truly untethered experience. This device can be used for routine EEG, Brain-computer interface applications, and professional Sleep monitoring for medical and research institutions. The system design ensures that you can maintain high-quality data.

Specifications

Analog Input

- Channels 4, 8, 16
- Resolution 24-Bit ADC
- Max. Sampling Rate 8~16 KS/s per channel
- Programmable Gain 1, 2, 4, 6, 8, 12, or 24
- FIFO Size 1M samples
- Overvoltage Protection 5 Vp-p
- Input Impedance 1 G Ω
- Trigger Reference Digital output trigger
- Trigger Mode Start/Stop
- CMRR -110 dB
- Analog inputs SMB
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General

- Dimensions (W x H x D) 153 x 69 x 36 mm
- Power Consumption Typ.: 1.6W @ 5V
- Power Requirements 5 VDC
- On-Board battery 1 cell, 4000mAh
- Connection Wi-Fi/Ethernet (RJ45)
- Weight 90 gr (typical)
- OS Support Up to Windows 10
- Driver & SDK MATLAB

Ordering Information

- **i-DAQ248W**
8 KS/s, 24-bit, 8-Ch Simultaneous, Wi-Fi
- **i-DAQ244W**
8 KS/s, 24-bit, 4-Ch Simultaneous, Wi-Fi
- **i-DAQ248L**
16 KS/s, 24-bit, 8-Ch Simultaneous, LAN
- **i-DAQ2432L COMING SOON**
16 KS/s, 24-bit, 32-Ch Simultaneous, LAN