

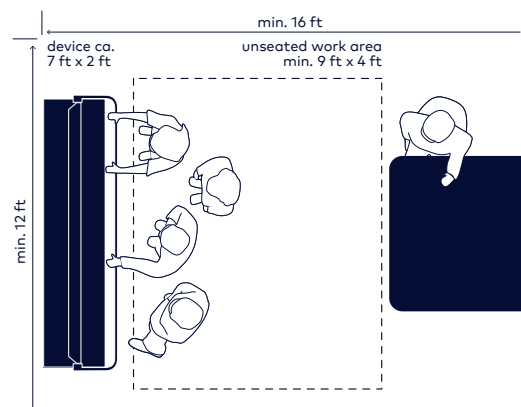
# Technical Requirements

Working with Weframe is simple and straightforward. Our technology hardly needs any integration and is ready for immediate use if the following technical requirements are taken into account:

## 1 Location

Sessionboards are designed for groups to work together in meeting rooms. The locations should meet the following criteria:

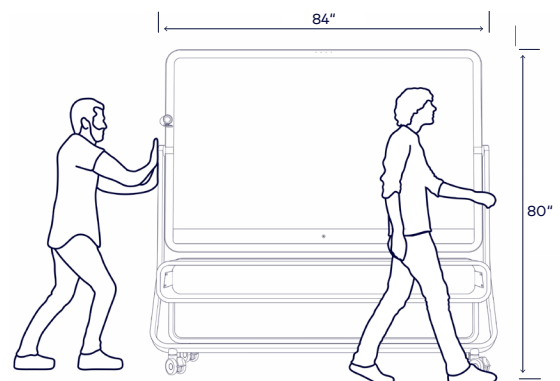
- The **installation location** must be on level ground, dry, well ventilated and free from heat sources.
- The recommended **minimum room size** for 86" units is 12 x 16 ft.
- The **open area** directly in front of the device should be large enough for interactive group work.
- In order to place the devices flexibly within or between rooms, there should be **no high thresholds**.



## 2 Access

The dimensions of the Sessionboard 86" should be taken into account when delivering or moving the Sessionboard around the house later:

- The **weight** of the Sessionboard 86" including mobile stand is **375 lb.**
- The **dimensions** are **84" x 80" x 25" (w / h / d)** for the 86"-model.
- The height can be reduced to less than 80" by tilting the display. Thus the device **fits through all standard doors**.
- The dimensions and the total weight require **accessible locations on level ground** or access through ramps or a load bearing / spacious **elevator**.



## 3 Connections

Sessionboards require only a standard **socket** with 120V single-phase alternating current and a wired internet connection via **LAN socket** (RJ45).



LAN  
(RJ45)



120 V

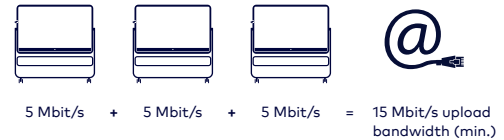


## 4 Internet connection

As a cloud solution Weframe One requires a stable and powerful internet access:

- The greater the **available bandwidth**, the more data is transferred in a shorter time (lower loading times and high stream quality).
- The **upload speed** plays an important role in audiovisual transmissions such as streaming of video calls with multiple participants.
- Weframe recommends as a rule of thumb for best experience an internet connection with an upload bandwidth of at a minimum of **5 Mbit/s upload per weframe device**.
- The optimal bandwidth outlined here should **actually be available for the devices**. If the internet connection is also used by other consumers in the house (e.g. guest WiFi), the necessary bandwidth may not be available at the Sessionboard during peak times, resulting in performance losses.

### Example



## 5 Network

The following network settings are recommended:

- Weframe One **cannot be operated on a restricted guest network** with required permissions (a captive portal or splashpage).
- To make commissioning as easy as possible, it is recommended that the device can obtain an **IP address via DHCP**.
- If devices on your network need to be activated, the **MAC address of our devices is available**.
- The device communicates via **https/port 443**.
- In order to participate successfully in a Weframe video call, your firewall must be configured in such a way that it allows access to the corresponding **destinations and ports**. If these ports cannot be opened, at least an **activation of TCP / 443** is necessary (the video call tool performs a fallback for this). Your firewall must allow **websocket communication (WSS)** in addition to HTTPS communication.

Enable the following ports:

Port(s)	Type	Description
443	TCP	HTTPS
17990	TCP	Vidyo Signaling
17992	TCP	Vidyo Signaling
1025-2048	TCP	H245, Gatekeeper Discovery and Q.931 Call Setup
5060-5061	TCP	SIP Signaling
50000-65535	UDP	Media

