

**JO Series with Mobile App Network Summary****Compatible Stations**

**Mobile App:** Intercom App Type-B

**Master Stations:** JO-1MDW

**Expansion Master Station:** JO-1FD

**Video Door Stations:** JO-DA, JO-DV, and JO-DVF

**Installation and Network Discovery****JO-1MDW Network Information and Connections**

The JO-1MDW master station connects to a local area network via WiFi. The JO mobile app can receive or establish communication while connected to a cellular or wireless network with internet access.

**IPv4 Address:** 192.168.1.160 (1.0.0.0-223.255.255.255)

**IPv4 Subnet Mask:** 255.255.255.0 (128.0.0.0-255.255.255.255)

**IPv4 Default Gateway:** - (1.0.0.0-223.255.255.255)

*Note that DNS information may be required depending on the network.*

**Supported Wireless Frequency:** 2.4 GHz

**Supported Wireless Protocols:** 802.11b, 802.11g, and 802.11n (Wireless B/G/N)

**IGMP for Managed and Enterprise Level Networks**

Multicast is used when registering a mobile device to the JO-1MDW. Typically, the JO-1MDW and the mobile device must be in the same broadcast domain to register. Multiple subnets may exist in the same broadcast domain, but broadcasts between routers may not be possible without being configured to do so. For ease of initial setup, connect the JO-1MDW and the mobile device to the same router, then deploy after registration.

**Multicast IPv4:** - (244.0.0.0-239.255.255.255)

**Ports and Protocols**

Protocol	Port	Function
TCP	443	Web access
TCP	8883	Cloud server access
RTP	10000-20000	Audio and Video
IGMP	Broadcast	App Registration

**Notes:**

- Each registered app will be assigned an unique port for audio (starting with 10000) and video (starting with 20000) available within the respective range.
- IGMP is only used during the app registration process during installation.