

Liftians Network Topography

Liftians Inc. v0.1



LIFTIANS

Scope

This document details the network topography and settings required for a successful Liftians deployment. A general understanding of the basics of networking should be sufficient as well as experience logging into and changing settings on a router.

Document Revisions

Version	Author	Date	Changes
v0.1	Nick Baker	4/25/2022	First draft
V1.0	Jonathan Huang	3/23/2023	Version 1.0



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1. Hardware Required

1.1. Network Hardware

This section details the specific hardware needed. Basics include a router and access points. Usually there will be a hardware switch already on-site. We will need to deploy Access Points (APs) in the grid area of the AGVs.

1.1.1. Router

This could be an existing piece of hardware already installed at the customer location. Most likely they are already using a router that we can utilize.

1.1.2. Access Points (APs)

The CISCO Meraki MR series Aps are highly recommended

1.2. Server Hardware

A Liftians server should be available to put on the same network. A test server is fine for initial setup and troubleshooting. Refer to the Liftians Server Setup Manual document.

2. Network Setup

SSID: LASER_CART

Router IP: 192.168.1.1

Password: okagv2015

Frequency: 2.4GHz, for larger coverage area, and better at penetrating solid objects



3. Network Settings

Primary Server: 192.168.1.2/9007

Secondary Server: 192.168.1.20/9007

4. Testing and Verification

5. Troubleshooting