

Steelcase Live Map

# **Overview + Technical Specifications**

# Understanding Live Map

Live Map is a large-scale digital display that reveals the real-time availability and locations of rooms, desks and workspaces.

## How It Works

As an integral new part of the Steelcase Smart + Connected Workplace, Live Map works in harmony with the Steelcase Find app and RoomWizard for a seamless user experience. After scanning the Live Map display for real-time room availability, employees can use Find to quickly filter by their needs and reserve the ideal workspace, or they can utilize RoomWizard, the meeting room scheduling system, for instant, on-the-go booking.

Built on Microsoft Azure, Live Map is a cloud-based software solution that pulls information from Office 365 calendars and optional Workplace Advisor sensors. The data is processed on a small-form-factor PC that is connected via HDMI to any standard 1080p display.

It is important to note that Steelcase provides the Live Map web application and the customer is responsible for purchasing the required hardware components.

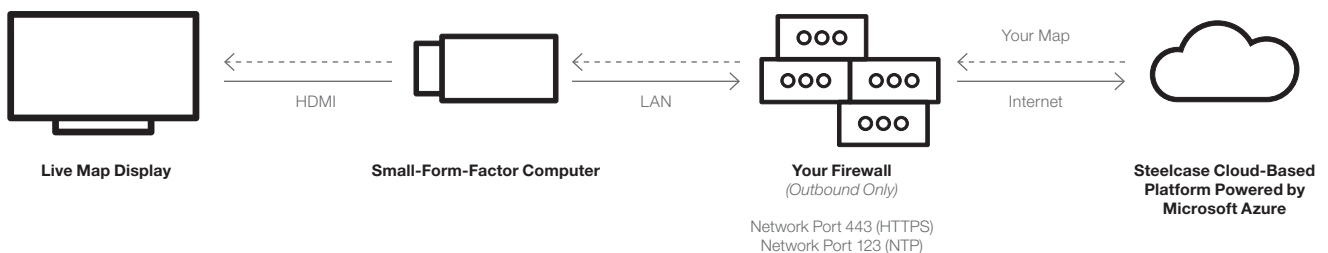
## Hardware Checklist

- 1 computing device that supports the Google Chrome web browser
- 1 display that supports a minimum resolution of 1080p/1920x1080 *(per location)*
  - *If you intend to use Live Map in portrait mode the display must support a resolution of 1080x1920.*
- 1 each per device:
  - HDMI cable
  - Power supply
  - Ethernet with active internet access *(SSL web requests only)*
  - Wi-Fi access is also available *(requires a USB 2.0 keyboard for setup)*
- 1 USB 2.0 keyboard *(useful for troubleshooting devices if necessary)*

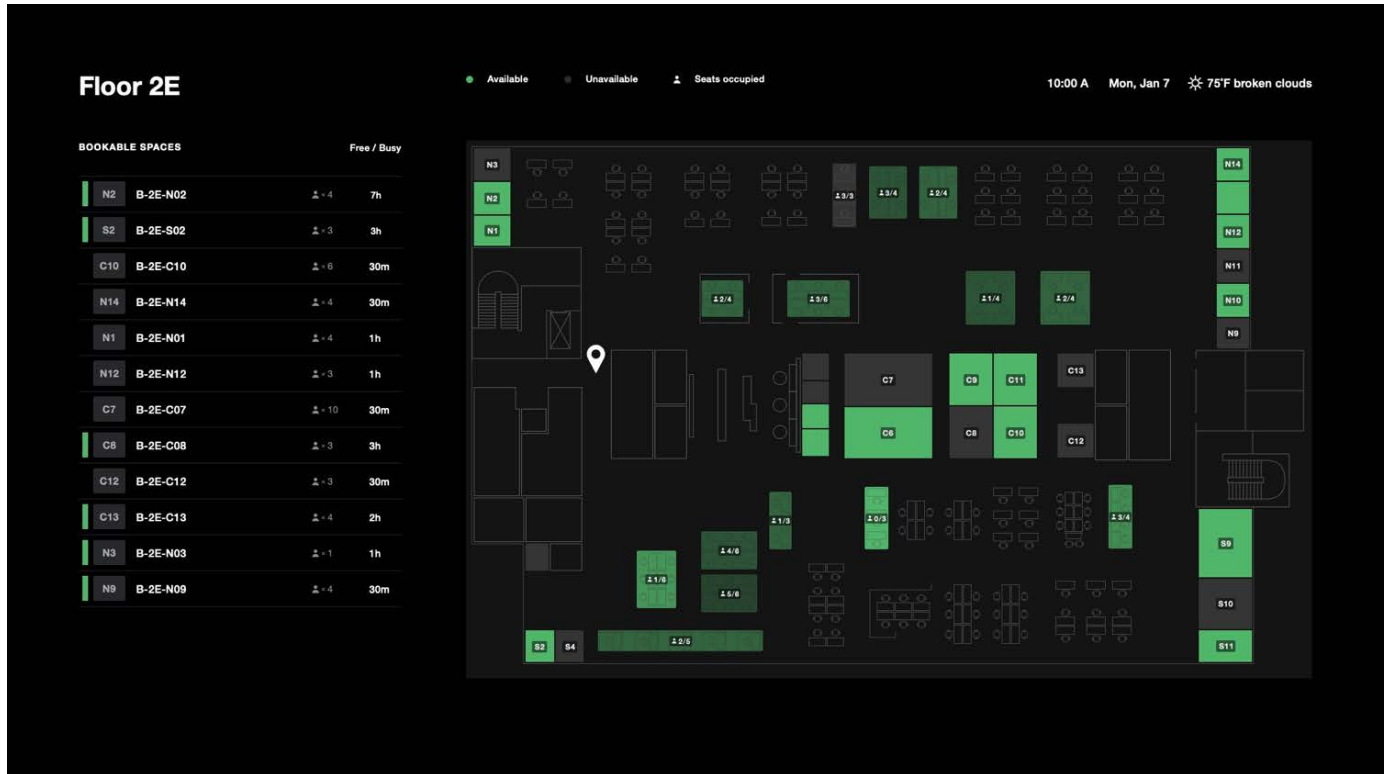
## Live Map Software Configuration

Admin consent or app registration for Office 365 access must be completed by a user with "Global Administrator" privileges within Office 365.

## Data Flow Overview



Sample Live Map Display



Implementation Journey

Step 1: Order and Coordination

*Dealer*

Live Map order is placed

*Customer*

Live Map Addendum is signed

*Steelcase*

Hardware and software requirements are shared with customer

*Steelcase and Customer*

Maps are received, traced and reviewed

Step 2: Setup and Installation

*Customer*

Network and Office 365 requirements are reviewed and completed

*Dealer*

Live Map hardware is purchased

*Dealer*

Device is installed in specified location

*Dealer*

Live Map web application is setup on device

# Technical Specifications

## LIVE MAP DEVICE REQUIREMENTS

Frame Rate	15 FPS
Video Resolution	1080p/1920x1080
Video Output	HDMI (1)
Number of Displays	1
Network Connection	Ethernet or Wi-Fi
Bandwidth	1MB/day on average
Operating System	Any OS capable of running a Google Chrome web browser

## TCP/IP PROTOCOLS AND PORTS

Protocol	TCP/UDP	Number	Description
HTTPS	TCP	443	Secure HTTP communication over TLS
NTP	UDP	123	Network Time Protocol, a networking protocol for clock synchronization

## LIVE MAP DISPLAY REQUIREMENTS

Frame Rate	Minimum of 15 FPS
Display Resolution	Display must support a resolution of at least 1080p/1920x1080 for landscape and 1080x1920 for portrait
Video Input	HDMI (1)
Display Type	Commercial



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