

# CONNECT

specifications for server, software, applications, and initial setup services

## PROJECT INFORMATION

<b>CATALOG #:</b>	
<b>TYPE:</b>	
<b>PROJECT:</b>	
<b>SPECIFIER:</b>	

### SIMPLE COMMISSIONING TOOL

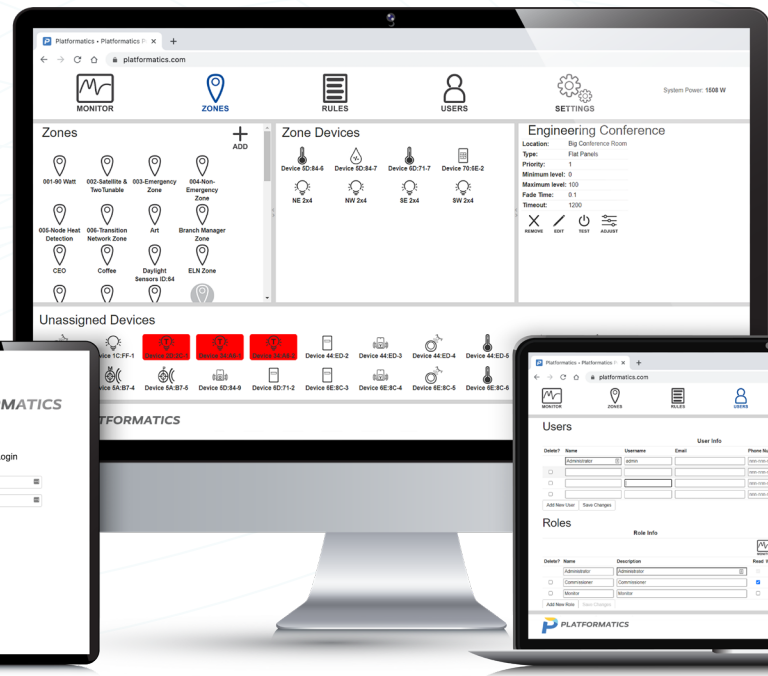
The onboard commissioning tool leverages a web server to make commissioning fast and simple. The tool is used to group lights by zone and assign lights to wall stations, vacancy sensors and light level sensors. The commissioning tool supports an array of policy decisions such as default action clocks, control input priority and more.

- ▶ **AUTOMATIC DEVICE DETECTION**
- ▶ **DEVICE MANAGEMENT**
- ▶ **SUPPORTS HUNDREDS OF LED LIGHTS, SENSORS & WALL STATIONS**
- ▶ **REAL-TIME MONITORING, ZONING, RULES**
- ▶ **HIGH-END TRIM (POWER TRIMMING)**
- ▶ **TIME OF DAY SCHEDULER**
- ▶ **REAL-TIME POWER CONSUMPTION**
- ▶ **SEQUENCE OF OPERATIONS**
- ▶ **WEB INTERFACE**
- ▶ **ROLE-BASED ADMINISTRATION**
- ▶ **CLOUD SERVICES**
- ▶ **API ACCESS**
- ▶ **SERVER VIRTUALIZATION**
- ▶ **CONFIGURATION BACKUP**

### INTUITIVE LIGHTING CONTROL

The onboard web scheduler makes lighting policy control easy and quick to manage, ensuring the system is not only building-code compliant, but also optimized for your operations.

- ▶ **GRANULAR DIMMING & DAYLIGHT HARVESTING**
- ▶ **MOTION-BASED LIGHTING CONTROL**
- ▶ **SCENE CONTROL**
- ▶ **RGB COLOR & TUNABLE WHITE LIGHT CONTROL**
- ▶ **EMERGENCY BATTERY TESTING & MONITORING**



For more information and setup guide, request the **PLATFORMATICS DEPLOYMENT GUIDE** available at [PLATFORMATICS.com](http://PLATFORMATICS.com)

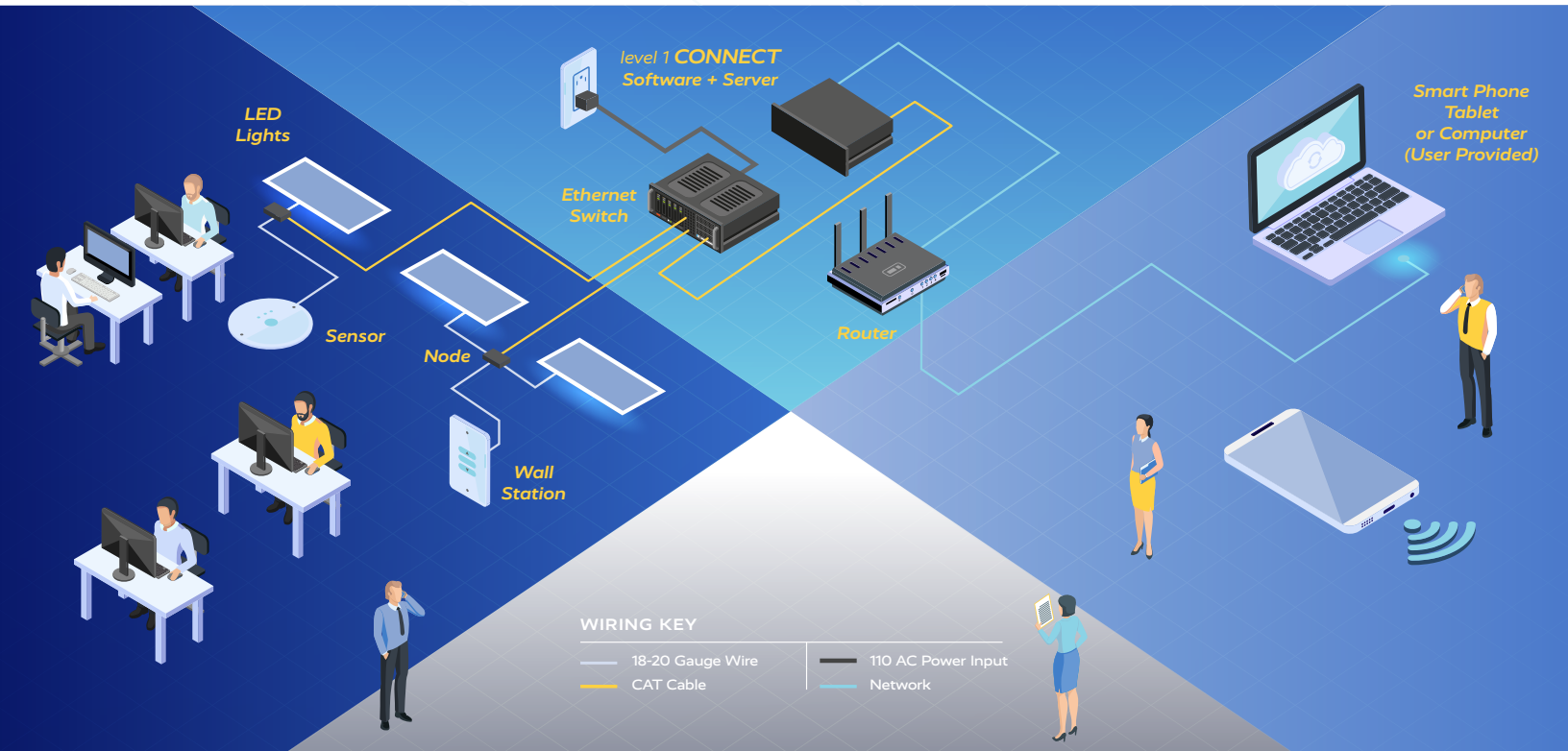
## ordering information

PRODUCT	SOFTWARE VERSION	SERVER OPTIONS
<b>POE-CONNECT-</b> Connect Hardware	<b>2</b>	<b>PS</b> Platformatics Provided Server <b>PL</b> Platformatics Provided Server, 96 node maximum <b>VM</b> Virtualization

Sample: **POE-CONNECT-2-PS**



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## CONNECT SERVER SPECIFICATIONS

<b>Form Factor</b>	1u Rackmount
<b>Dimensions</b>	1.7" (43mm) Height x 17.2" (437mm) Width x 14.4" (366mm) Depth
<b>Gross Weight</b>	16 lbs (7.3 kg)
<b>Power Supply</b>	350W AC power supply; 100-240 V, 50-60 Hz, 4.2-1.8 Amp
<b>Maximum Heat Dissipation</b>	350W
<b>Memory</b>	8GB
<b>Storage</b>	150GB
<b>Processor</b>	Intel i3 8th Gen

## ENVIRONMENTAL SPECIFICATIONS

<b>Safety Compliance</b>	UL, CE, CCC - See the manufacturer's data sheet for more details.
<b>ROHS</b>	Compliant
<b>Normal Operating Temperature and Altitude (Density Altitude)</b>	-0°C to +35°C, up to 5000ft (1500m)
<b>Relative Humidity</b>	Operating conditions: 8% to 90%, noncondensing
<b>Storage Environment</b>	Temperature: -40°C to +70°C Altitude: 15,000ft
<b>Location</b>	For use in dry locations.



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## optional virtualization setup for IT departments

### OVERVIEW

This document aims to provide all information about the Platformatics VM that is relevant for IT departments. It provides some basic details about the VM as well as special considerations that must be taken into account when running Connect Platformatics as a VM. Ordering code: **CONNECT-2-VM**

### ABOUT THE PLATFORMATICS VM

#### ▶ **FORMAT**

The Platformatics VM is distributed in either VMware or VirtualBox formats.

#### ▶ **OPERATING SYSTEM**

The Platformatics VM runs Connect Software on the Ubuntu Server 14.04/18.04 OS.

#### ▶ **NETWORK INTERFACES**

The VM requires two bridged network interfaces: one for the lighting network and one for the corporate network. Alternate configurations may be possible, contact us if there are any questions.

#### ▶ **MEMORY**

RAM size is configurable on request. 8GB is the recommended default.

#### ▶ **DISK SIZE AND FILE SYSTEM**

The minimum disk size is 150GB. An ext4 file system is used. Volumes can be created using LVM on request for simpler volume management.

#### ▶ **VMWARE TOOLS**

VMware tools packages can be installed upon request.

### FIREWALLS

Please see the relevant spreadsheet which describes the required ports that must be open. The **PAC EXTERNAL/INTERNAL PORTS** spreadsheet can be found by [CLICKING HERE](#).

### CERTIFICATES

#### ▶ **HTTPS ACCESS TO PLATFORMATICS UI**

If there is a public key infrastructure (PKI) within the corporate network, then we can configure HTTPS Access to the Platformatics UI. The process will look like this:

1. Information to generate a certificate signing request (CSR) is given to us by the customer's IT department.
2. We will generate a CSR with the provided info.
3. The customer's IT department will send us a signed certificate.
4. We will install the signed certificate on the Platformatics VM.
5. The IT department must configure their DNS records to point the provided host name to the Platformatics VM.

#### ▶ **INTERCEPT PROXIES**

Our cloud services use certificates from publicly trusted certificate authorities and do not use client certificate validation. This means an intercept proxy configuration is possible without trusting any special Platformatics certificate authorities. If an intercept proxy will be used to decrypt and inspect traffic sent to our cloud services, then we can simply install the root and/or issuing CA certificates from the PKI on the Platformatics VM.

### POE SWITCH CONFIGURATION

See **PLATFORMATICS DEPLOYMENT GUIDE** for information on PoE Switch Configuration.

