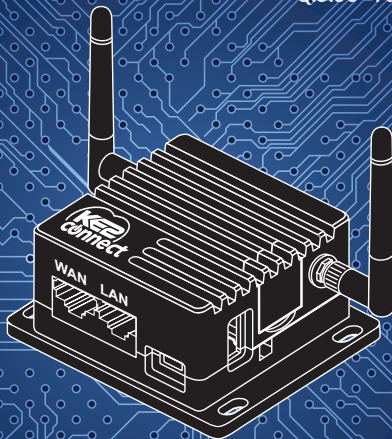




KE2-EM35

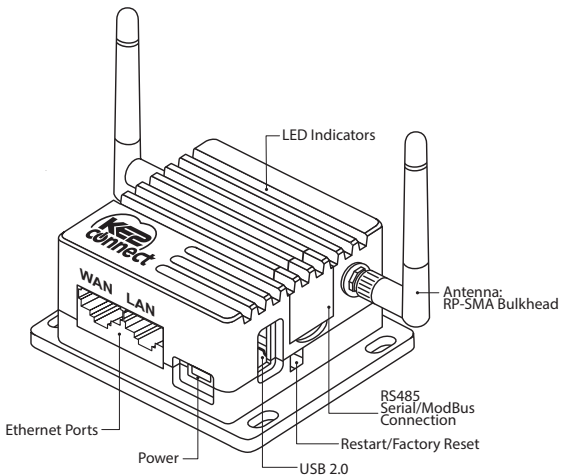
Edge Manager

Q.5.56 - February 2018



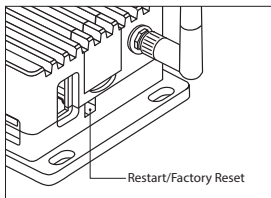
Hardware:

- EM-35 Router
- Micro USB Power Cable



Restart/Factory Reset:

- Press & hold for **3 seconds**, then release to **Restart** the KE2-EM35.
- Press & hold for **10 seconds** to **Reset to Factory Defaults**.



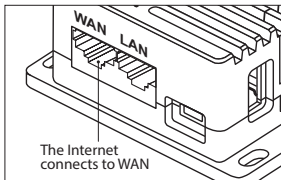
Specifications:

CPU	650 MHz
Memory Storage	16MB Nor + 128MB Nand Dual Flash
Frequency	2.4 GHz
Transmission Rate	144 Mbps
Max Tx Power	18 dBm
Protocol	802.11 b/g/n
WAN/LAN	10/100
Power Input	5V / 1A
Power Consumption	<2W
Dimension	3.15 x 2.5 x 1.5 Inches/80 x 64 x 25 mm
Working Temperature	32°F - 122°F / 0°C - 50°C

Connect:

1 Plug in the power cable & the Internet cable.

- When powered up, your KE2-EM35 will broadcast a WiFi signal with the SSID: **KE2EDGE-xxxxxx**
- Plug the **Internet cable** (data only) into **WAN**.



2 Connect via WiFi. - or -

- The default WiFi password is printed on the bottom of the KE2-EM35

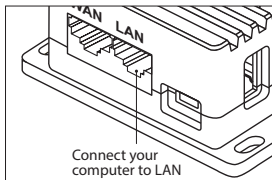
WiFi: **KE2EDGE-xxxxxx**

- Search the SSID and connect to it.

WiFi PW: ●●●●●●●●

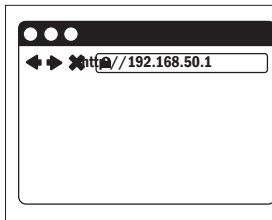
2 Connect via LAN.

- Plug the cable connecting your computer into LAN.



3 Setting up the KE2-EM35.

- Visit <http://192.168.50.1> in your browser, to set up your KE2-EM35.

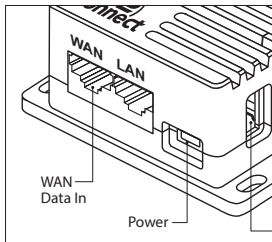


Internet Connection:

- After you have plugged in your KE2-EM35 to the WAN, you will see the main web interface.

• DHCP/Static

The default protocol is DHCP. If your network needs a static setting, you can change it to Static later, via the System Console.



Access the Local Dashboard:

- To access the KE2-EM35, connect to the same network as the device. Since it is an Ethernet device, speaking TCP/IP, users can connect to it by simply launching their preferred web browser, and typing in the address bar: `http://em35` -or- `http://192.168.50.1`. This brings the user to their local dashboard.

The Local Dashboard:

- Once connected to the dashboard, the user will immediately see up to 35 devices displayed.

Device Access

For controllers on the network, simply click the IP address of the controller, to immediately connect to that controller's home page.

Access the Management Console

To access the Management Console, select the Manage button in the upper right corner of the dashboard screen.

	Total = 8	Address
Alarm Notifications Enabled		AC: 23:3F
Published to KE2 portal		AC: 23:3F
Data Logging Enabled		AC: 23:3F
Alarm Notifications NOT Enabled		D1: C1:54
NOT Published to KE2 portal		D7: CF:BE
Data Logging NOT Enabled		AC: 23:3F
		F7: 9B:5A
		EF: 4B:2F
		10.1.0.4

Green shaded bar indicates the device is published to the KE2 portal

KE2-EM35 M
Address & Firmw



Manage

Access to Management Console, where setup changes are made

Displays active alarms

Download to CSV file

	Location	Mode	Temp	Alarm	Log
...:A0:18:C0	(Set Location)	Monitor	72.64 F	All Clear	
...:A0:18:DF	jills office	Monitor	72.54 F	All Clear	
...:38:87:47	(Set Location)	Monitor	75.20 F	All Clear	
...:70:B6:45	(Set Location)				
...:A0:18:DA	(Set Location)				
...:C1:56:62	(Set Location)				
...:65:0E:4A	(Set Location)				
00	KE2 Labs	Off	71.1 F	All Clear	

Up to 35 devices are automatically displayed on the dashboard

Log

KE2 Lab Two Door
BLE-E3-03-DC-E4-01-97

From optional

To optional

When log button selected, user prompted for date range.

Close Graph Save

Management Console Version

<http://10.1.0.204:80>
<http://192.168.50.1:80>
Version 1-29-2017

Management Console:

- A User Name and Password are required when accessing the Management Console. When logged in to the Management page, users can make changes to the following settings: Customize Portal, Alarm Notifications, Data Logging & System Updates. A detailed look at each of these follows.

- Login Screen



Authentication required

http://192.168.50.1

Your connection to this site is not private

Username

Password

Log in Cancel

Global selection - Enable setting for all devices

Alarm Notifications
Enabled

Device displayed
on Dashboard

Published to
KE2 portal

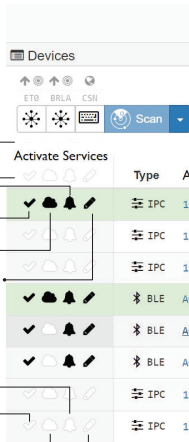
Data Logging
Enabled

Alarm Notifications
NOT Enabled

Device **NOT** displayed
on Dashboard

NOT Published
to KE2 portal

Data Logging
NOT Enabled



Customize your portal

Setup alarm notifications

Data logging setup

System updates

Dashboard ?

☒ Allow vendor assistance
 ☐ Show client services
 ☒ Show only KE2 services

Address

Host

Description

Domain

0.1.0.40	00:04:A3:50:AA:07	KE2 Labs	D320AN
0.1.0.11	54:10:EC:4B:8B:6D	Test Unit KE2 Therm	...
0.1.0.121	00:04:A3:14:91:A5	(Set Location)	...
C:23:3F:A0:18:C0	BLE:AC:23:3F:A0:18:C0	...	IKN1QV
C:23:3F:A0:18:DF	BLE:AC:23:3F:A0:18:DF	(Set Location)	...
C:23:3F:A0:18:DA	BLE:AC:23:3F:A0:18:DA	...	...
0.1.0.142	E4:95:6E:4C:E1:29	CFR 10.1.0.142	...
0.1.0.146	00:04:A3:50:A1:AF	OZ R594	...

Allow KE2 to manage/configure EM35 and all devices remotely

Access KE2- EM35 (with valid subscription) from Portal

Automatically discover and display ONLY KE2 devices

Management Console will display all* of the KE2 devices connected to the Network directly or through the KE2-EM35s.

**While theoretically unlimited, performance speed will vary based on the number of connections / devices.*

Tested to 50 devices without noticeable loss of speed

Management Console Features:

- ▼  **Devices** —→ Discovered KE2 devices
- ▼  **Access** ☐ —→ Setup or change the Portal Site name and Password
- ▼  **Alerts** ☐ —→ Enter e-mail or text addresses for notifications & preferred "Subject" line
(If multiple addresses are entered, use a comma to separate each address)
- ▼  **Logs** ☒ —→ Establish the frequency that data points are logged
- ▼  **System** ☐ —→ Updates & advanced configurations

Devices



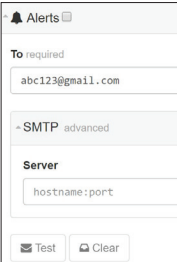
The screenshot shows the 'Devices' page in the Management Console. At the top, there's a 'Devices' header with a list icon. Below it, there are two status icons (up and down arrows) and a 'CSN' label. A 'Scan' button is visible. Below the scan button, there are several status icons (checkmark, up arrow, down arrow, and a refresh icon). On the right side, there's a 'Type' dropdown menu and a table with columns for 'IPC' and '1'.

Access



The screenshot shows the 'Access' page in the Management Console. It has a 'Portal' header. Below it, there's a text input field containing 'ke2.io'.

Alerts



The screenshot shows the 'Alerts' page in the Management Console. It has an 'Alerts' header with a bell icon. Below it, there's a 'To required' section with a text input field containing 'abc123@gmail.com'. Below that, there's an 'SMTP advanced' section with a 'Server' label and a text input field containing 'hostname:port'. At the bottom, there are two buttons: 'Test' and 'Clear'.

Dashboard ⓘ ?

☒ Allow vendor assistance
☐ Show client services
☒ Show only KE2 services

Endpoint	Host	Description	Domain
0.1.0.40	00:04:A3:50:AA:07	KE2 Labs	...

Site	Pass
KE2EDGE-5113CA	

From	Subject
	ke2connect-alarms@ke2connect.io Enterprise Edge Manager Alarm

Username	Password
	KE2EDGE-4643EC

Management Console Features *(continued)*:

Logs

 Logs ☒
Frequency
60 MIN
Records rotate after
10000

System

 System
 Login Credentials ?
 Update
 Client
 Alerts