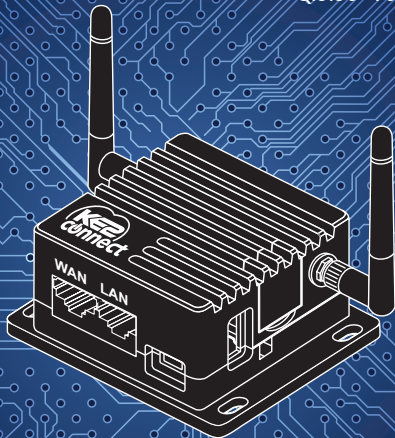




KE2-EM35

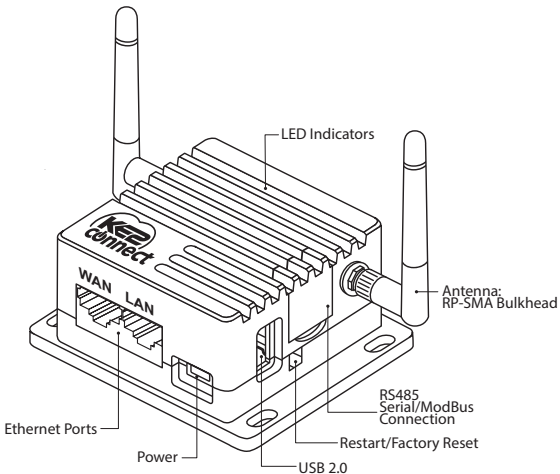
Edge Manager

Q.5.56 - February 2018



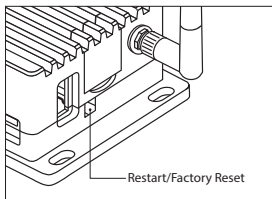
Hardware:

- 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**.



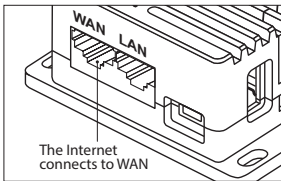
Specifications:

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

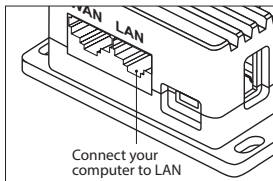
WiFi: **KE2EDGE-xxxxxx**

- Search the SSID and connect to it.

WiFi PW: ●●●●●●

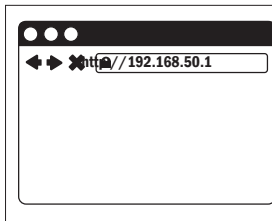
2 Connect via LAN.

- 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.

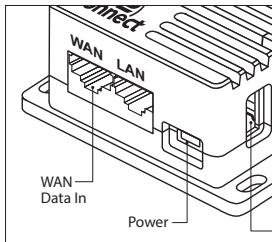


Internet Connection:

- 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	Published to KE2 portal		AC: 23: 3F
Alarm Notifications NOT Enabled	Published to KE2 portal		AC: 23: 3F
Alarm Notifications NOT Enabled	Published to KE2 portal		D1: C1: 54
Alarm Notifications NOT Enabled	Published to KE2 portal		D7: CF: BE
Alarm Notifications NOT Enabled	Published to KE2 portal		AC: 23: 3F
Alarm Notifications NOT Enabled	Published to KE2 portal		F7: 9B: 5A
Alarm Notifications NOT Enabled	Published to KE2 portal		EF: 4B: 2F
Alarm Notifications NOT Enabled	Published to KE2 portal		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
(Set Location)	Monitor	72.64 F	All Clear	
jills office	Monitor	72.54 F	All Clear	
(Set Location)	Monitor	75.20 F	All Clear	
(Set Location)				
(Set Location)				
(Set Location)				
(Set Location)				
(Set Location)				
(Set Location)				
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 mm/dd/yyyy

To optional mm/dd/yyyy

When log button selected, user prompted for date range.

Close Graph Save

Management
ware 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

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

The screenshot shows the 'Devices' management page. At the top, there are navigation icons and a 'Scan' button. Below that is a table of devices with columns for 'Type' and 'A'. The table has several rows, some highlighted in green. Annotations with arrows point to specific settings in the table:

Type	A
IPC	1
IPC	1
IPC	1
BLE	A
BLE	A
BLE	A
IPC	1
IPC	1

Customize your portal

Setup alarm notifications

Data logging setup

System updates



Dashboard ?

Allow vendor assistance

Show client services

Show only KE2 services

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






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	...

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

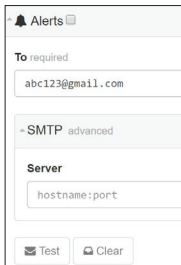
Devices



Access



Alerts



Dashboard  ?

Allow vendor assistance

Show client services

Show only KE2 services

Endpoint	Host	Description	Domain
0.1.0.40	00:04:A3:58:AA:07	KE2 Labs	...

Site



KE2EDGE-5113CA

Pass

From

ke2connect-alarms@ke2connect.io

Subject

Enterprise Edge Manager Alarm


Username

KE2EDGE-4643EC






Password

Management Console Features *(continued)*:

Logs

 Logs <input checked="" type="checkbox"/>
Frequency
60 MIN
Records rotate after
10000

System

 System
 Login Credentials ?
 Update
 Client <input type="text"/>
 Alerts <input type="text"/>