

Server Utility Setup

1. Server Storage Utility – EKY Cloud Storage

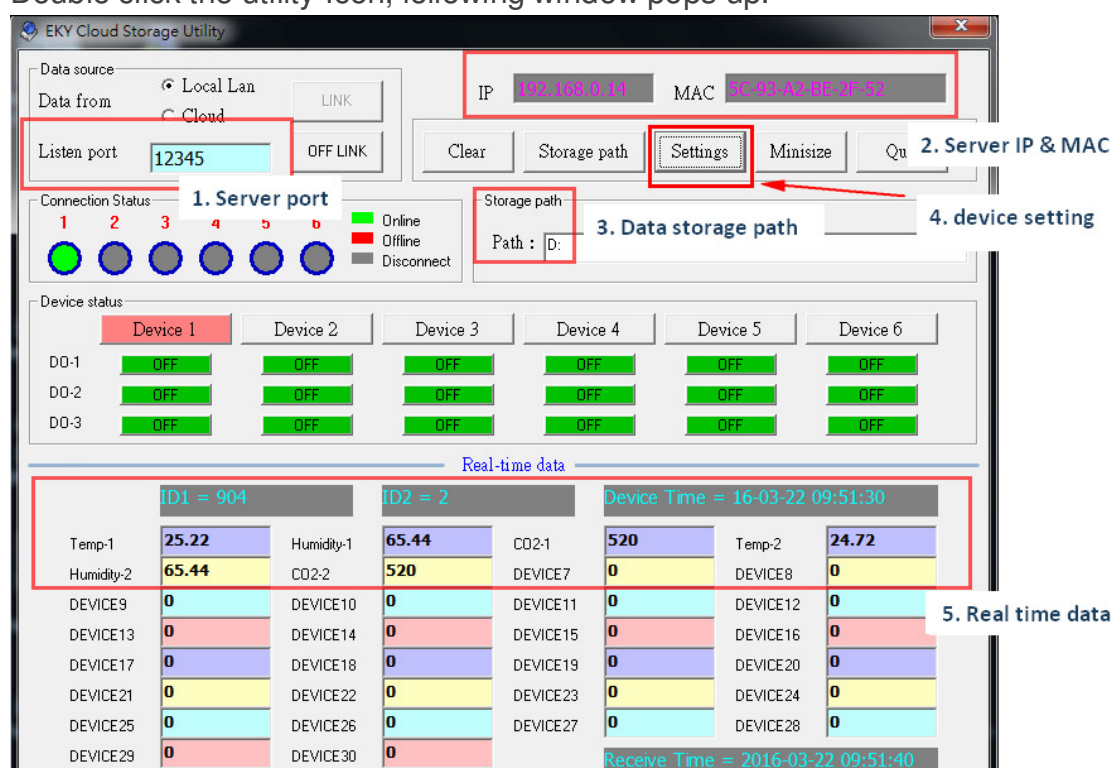
This utility is installed at remote server, PC or Laptops, for receiving data from WPC-132-DL.

2. Installation of Utility

Double click Storage Utility. Follow the instruction to set up the tool. After set up process had been completed, you will see following shortcut Icon.

3. Server Storage Utility

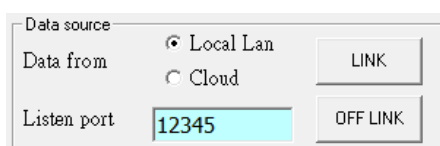
Double click the utility Icon, following window pops up.



Where

1. Server listening port
2. Server IP address & MAC address
3. Data storage location
4. RTU device setting
5. Real time data read from device

3.1 Data source - Server listening port



3.2 Please choose “Local LAN” mode

3.3 Input listen port number

This listen port should be the same port number as what WPC-132-DL “server” page remote server IP and port number presents (below figure).

Cloud Gateway System

Storage Server Setting

Status
Network
RS-485
Server
Device
Data
Download

Report Status to Server: Enable

Interval Time to report: 1 min

Verification for report

Action HTML= gateway.php Code1= 1111 Code2= 2222 Code3= 3333 Code4= 4444 Verification: Enable

Destination to report

Report to Server IP-1: 192.168.0.14 port: 12345

Report to Server IP-2: Server IP Server port number

3.4 Server IP and MAC address

Utility will show this server IP address and MAC address automatically

IP: 192.168.0.14 MAC: 5C-93-A2-BE-2F-52

3.5 Storage Path

Choose where to store the data folder

Storage path Settings Minimize

Storage path

Path : d:

Save path

c: [OS]
c: [OS]
d: [Data]
e:

Device 5 D

OFF OFF OFF

Temperature

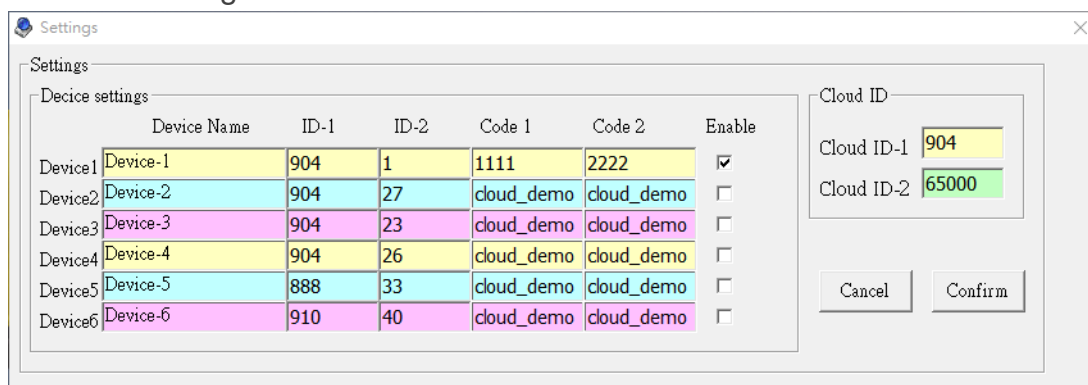
3.6 RTU Device setting

Click “Setting” to setup device parameters. Following page will shows up



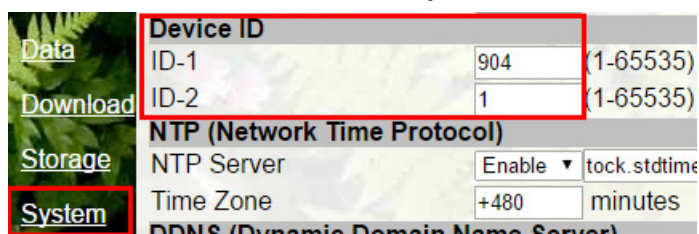
Click “Device settings” to set up device

3.7 Device settings

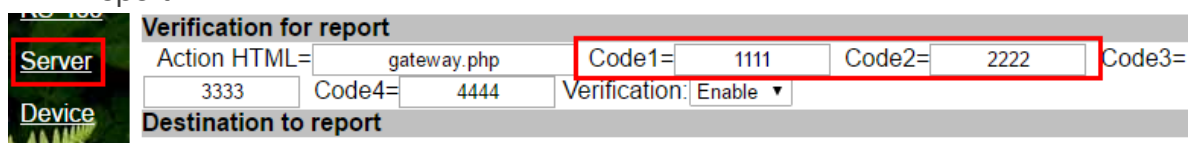


Where

1. Device Name – Input your device name
2. ID-1 & ID-2 – Keep ID 1 / ID-2 the same setting values as that on WPC-132-DL web UI “System” Device ID numbers



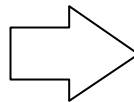
3. Code 1 & Code 1 – Verification code for report. Please keep the same value as that on WPC-132-DL web UI “Server” verification for report.



4. Enable – click to enable device.

Please follow the same way to setup different devices. Click "Confirm" when finish devices setup. Setting page will be shown up again.

3.8 Setup Device 1



	Data Name	Factor	Data Type	Unit
DATA1	DEVICE1	1	16-bits integer	A
DATA2	DEVICE2	1	16-bits integer	A
DATA3	DEVICE3	1	16-bits integer	A
DATA4	DEVICE4	1	16-bits integer	A
DATA5	DEVICE5	1	16-bits integer	A
DATA6	DEVICE6	1	16-bits integer	A
DATA7	DEVICE7	1	16-bits integer	A
DATA8	DEVICE8	1	16-bits integer	A
DATA9	DEVICE9	1	16-bits integer	A
DATA10	DEVICE10	1	16-bits integer	A
DATA11	DEVICE11	1	16-bits integer	A
DATA12	DEVICE12	1	16-bits integer	A
DATA13	DEVICE13	1	16-bits integer	A
DATA14	DEVICE14	1	16-bits integer	A
DATA15	DEVICE15	1	16-bits integer	A
DATA16	DEVICE16	1	16-bits integer	A
DATA17	DEVICE17	1	16-bits integer	A
DATA18	DEVICE18	1	16-bits integer	A
DATA19	DEVICE19	1	16-bits integer	A
DATA20	DEVICE20	1	16-bits integer	A
DATA21	DEVICE21	1	16-bits integer	A
DATA22	DEVICE22	1	16-bits integer	A
DATA23	DEVICE23	1	16-bits integer	A
DATA24	DEVICE24	1	16-bits integer	A
DATA25	DEVICE25	1	16-bits integer	A
DATA26	DEVICE26	1	16-bits integer	A
DATA27	DEVICE27	1	16-bits integer	A
DATA28	DEVICE28	1	16-bits integer	A
DATA29	DEVICE29	1	16-bits integer	A
DATA30	DEVICE30	1	16-bits integer	A

In this page

3.8.1 Factor: input factor to present correct data reading, such as 1, 0.1, 0.01, 0.001,...etc.

3.8.2 Data type: There are 6 different types. Default is 16-bits integer.

16-bits integer
16-bits positive integer
32-bits integer
32-bits positive integer
64-bits integer
64-bits positive integer

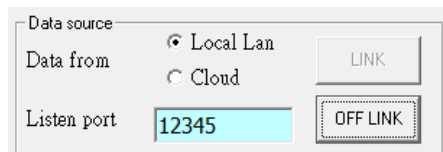
3.8.3 Unit: Please input the unit of Data such as °C; A; V; ppm,...

3.8.4 Setup Device 2, 3,... as per setting Device 1.

3.8.5 After setup all devices, please click “Return”. The utility main page will show up.

4. Link:

Click “Link” on Data Source sector, WPC-132-DL will link to server and start to transmit data



Data source
Data from: ☒ Local Lan ☐ Cloud
Listen port: 12345
Buttons: LINK, OFF LINK

5. Real-time Data

After parameter setup correctly, the following data will be presented on the utility.

5.1 Real time data

Temp-1	25.22	Humidity-1	65.44	CO2-1	520	Temp-2	24.72
Humidity-2	65.44	CO2-2	520	DEVICE7	0	DEVICE8	0

5.2 Device time

Device Time = 16-03-22 09:51:30

5.3 Received Time









Receive Time = 2016-03-22 09:51:40

6. Data Storage Location & file content

Check the data storage location where the folder of “year-month” will be created

2016-03	2016/3/31
2016-04	2016/4/29
2016-05	2016/5/17
2016-06	2016/6/20

And the daily csv file will be created.

 2016-06-17-904-1.csv	2016/6/17
 2016-06-17-904-2.csv	2016/6/17
 2016-06-18-904-1.csv	2016/6/19
 2016-06-18-904-2.csv	2016/6/18
 2016-06-19-904-1.csv	2016/6/20
 2016-06-19-904-2.csv	2016/6/19
 2016-06-20-904-1.csv	2016/6/20
 2016-06-20-904-2.csv	2016/6/20

6.1 The csv file content

Follow the setting record the data every minute.

INDEX	ID NO	VERSION	Temp-1	Humidity-1	CO2-1	Temp-2	Humidity-2	CO2-2	RECEIVE-TIME
0	904	1	31.35	64.73	413	0	0	0	2016/6/20 00:00
1	904	1	31.47	64.76	413	0	0	0	2016/6/20 00:01
2	904	1	31.35	64.74	417	0	0	0	2016/6/20 00:02
3	904	1	31.35	64.76	420	0	0	0	2016/6/20 00:03
4	904	1	31.35	64.72	420	0	0	0	2016/6/20 00:04
5	904	1	31.35	64.62	421	0	0	0	2016/6/20 00:05
6	904	1	31.35	64.72	423	0	0	0	2016/6/20 00:06
7	904	1	31.35	64.65	418	0	0	0	2016/6/20 00:07
8	904	1	31.41	64.66	415	0	0	0	2016/6/20 00:08
9	904	1	31.35	64.72	416	0	0	0	2016/6/20 00:09
10	904	1	31.35	64.74	415	0	0	0	2016/6/20 00:10
11	904	1	31.35	64.74	414	0	0	0	2016/6/20 00:11
12	904	1	31.41	64.81	412	0	0	0	2016/6/20 00:12
13	904	1	31.28	64.85	412	0	0	0	2016/6/20 00:13