

Single-point Webserver

COUNTIS E17 - E18 - E27 - E28

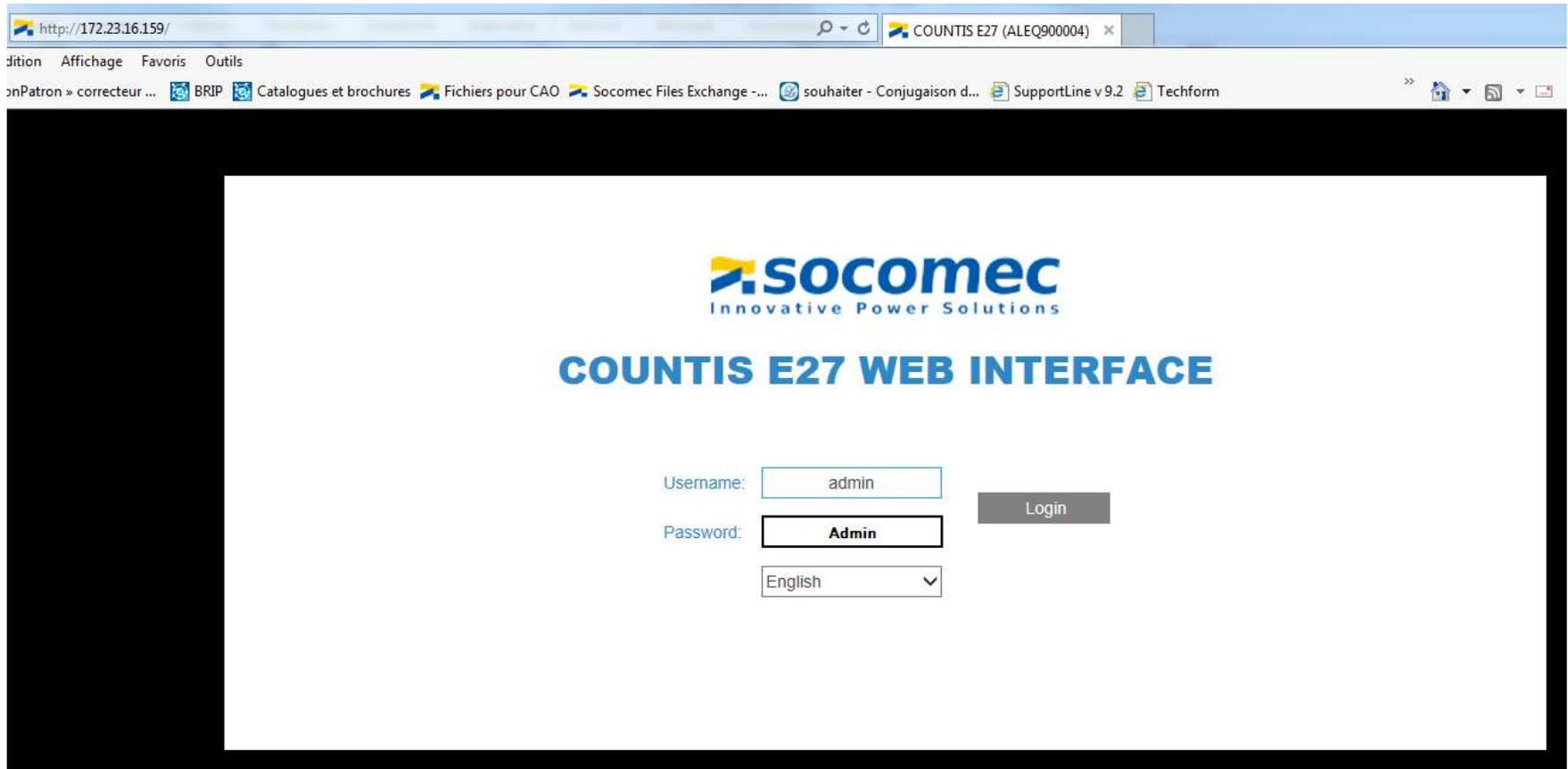


Single-point Webserver

The products have an Ethernet port with an integrated web server accessible on a standard web browser (Internet Explorer, firefox...)



Login



Instantaneous values - U/I


U/I


Power


General Energy


Tariff


Recording


Diagnosis


Setup


Logout

12/10/17 - 15:04:18

COUNTIS E27

I	I1 A	I2 A	I3 A	IN A
Inst.	00.80	00.34	01.54	01.96

V	V1 V	V2 V	V3 V	V sys V
Inst.	233.9	235.3	236.4	235.2

U	U12 V	U23 V	U31 V	U sys V
Inst.	403.5	409.4	409.1	407.3

F Hz	Ph Seq	I sys A
50.04	123	00.89





Instantaneous values - Power


UI


Power


General Energy


Tariff


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COUNTIS E27 12/10/17 - 15:05:24

P	P1 kW	P2 kW	P3 kW	P sum kW
Inst.	00.17	00.04	00.32	00.53

Q	Q1 kvar	Q2 kvar	Q3 kvar	Q sum kvar
Inst.	-00.06	-00.02	00.23	00.15

S	S1 kVA	S2 kVA	S3 kVA	S sum kVA
Inst.	00.19	00.08	00.45	00.72

PF	PF1	PF2	PF3	PF sum
Inst.	(C) 0.911	(C) 0.494	(L) 0.668	(L) 0.709





Energy – Total and Partial

General Energy

COUNTIS E27 12/10/17 - 15:06:30

Total Energy

	Ea+ kWh	Ea- kWh	Er+ Lagging kvarh	Er+ Leading kvarh	Er+ Total kvarh	Er- Lagging kvarh	Er- Leading kvarh	Er- Total kvarh	Es kVAh
Phase 1	303.32	0.00	0.12	0.00	0.12	0.00	279.21	279.21	472.97
Phase 2	104.03	0.00	5.26	0.00	5.26	0.00	82.43	82.43	211.89
Phase 3	1490.66	0.00	1305.71	0.00	1305.71	0.00	4.51	4.51	2102.91
Total	1898.20	0.00	974.72	0.00	974.72	0.00	29.93	29.93	2787.95

Partial Energies

	Ea+ kWh	Ea- kWh	Er+ kvarh	Er- kvarh	Es kVAh
Total	729.45	0.00	402.28	3.26	1077.90

Balance energies

	Ea kWh	Er kvarh
Total	1898.20	944.79

Reset of partial energies.
Available in admin login.

Reset partial counters

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Energies per tariff – Total and Partial

UI
 Power
 General Energy
 Tariff
 Recording
 Diagnosis
 Setup
 Logout

COUNTIS E27
12/10/17 - 15:15:00

Total Energy

Tariff Meter	Ea+ kWh	Ea- kWh	Er+ Lagging kvarh	Er+ Leading kvarh	Er+ Total kvarh	Er- Lagging kvarh	Er- Leading kvarh	Er- Total kvarh	Es kVAh
1	1898.27	0.00	974.74	0.00	974.74	0.00	29.93	29.93	2788.05
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	1898.27	0.00	974.74	0.00	974.74	0.00	29.93	29.93	2788.05

Partial Energies

Tariff Meter	Ea+ kWh	Ea- kWh
1	1724.34	0.00
2	0.00	0.00
Sum	1724.34	0.00

■ Current tariff

Reset of partial energies (per tariff). Available in admin login.

Reset tariff partial counters

Recording – Export of energy values

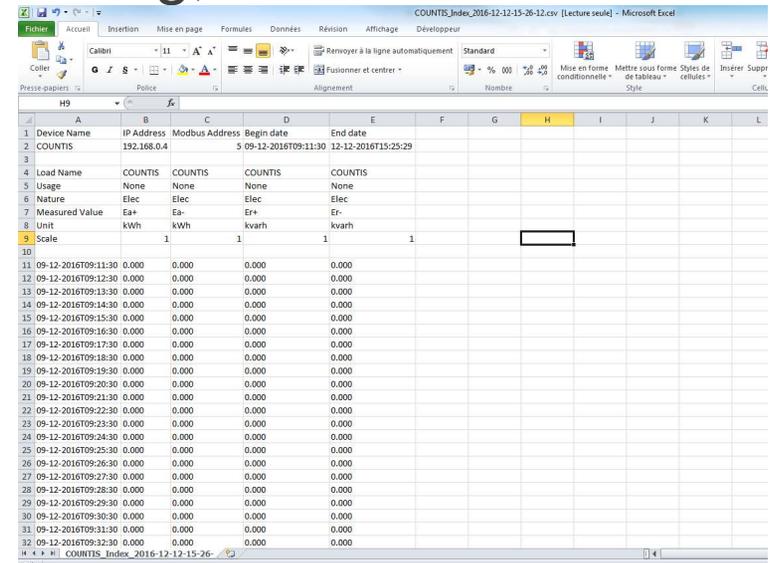
The screenshot displays the 'Recording' configuration page for a device labeled 'COUNTIS E27'. The recording rate is set to 5 minutes. The interface includes a table for selecting recording parameters:

TOTAL COUNTERS	
Ea+ <input checked="" type="checkbox"/>	Ea- <input checked="" type="checkbox"/>
Er+ Lagging <input type="checkbox"/>	Er- Lagging <input type="checkbox"/>
Er+ Leading <input type="checkbox"/>	Er- Leading <input type="checkbox"/>
Er+ Total <input checked="" type="checkbox"/>	Er- Total <input checked="" type="checkbox"/>
Es <input checked="" type="checkbox"/>	
PARTIAL COUNTERS	
Ea+ <input type="checkbox"/>	Ea- <input type="checkbox"/>
Er+ <input type="checkbox"/>	Er- <input type="checkbox"/>
Es <input type="checkbox"/>	
ENERGY BALANCE	
Ea <input checked="" type="checkbox"/>	Er <input type="checkbox"/>



Recording – Export of energy values

- 8Mb of memory;
 - 1 values recorded every 15min → memory of 2500 days
 - 4 values recorded every 15min → memory of 1300 days
- 16 parameters available for recording;



1	Device Name	IP Address	Modbus Address	Begin date	End date	F	G	H	I	J	K	L
2	COUNTIS	152.168.0.4		9/09-12-2016T09:11:30	12-12-2016T15:25:29							
3												
4	Load Name	COUNTIS	COUNTIS	COUNTIS	COUNTIS							
5	Usage	None	None	None	None							
6	Nature	Elec	Elec	Elec	Elec							
7	Measured Value	Ea+	Ea-	Er+	Er-							
8	Unit	kWh	kWh	kvarh	kvarh							
9	Scale	1	1	1	1							
10												
11	09-12-2016T09:11:30	0.000	0.000	0.000	0.000							
12	09-12-2016T09:12:30	0.000	0.000	0.000	0.000							
13	09-12-2016T09:13:30	0.000	0.000	0.000	0.000							
14	09-12-2016T09:14:30	0.000	0.000	0.000	0.000							
15	09-12-2016T09:15:30	0.000	0.000	0.000	0.000							
16	09-12-2016T09:16:30	0.000	0.000	0.000	0.000							
17	09-12-2016T09:17:30	0.000	0.000	0.000	0.000							
18	09-12-2016T09:18:30	0.000	0.000	0.000	0.000							
19	09-12-2016T09:19:30	0.000	0.000	0.000	0.000							
20	09-12-2016T09:20:30	0.000	0.000	0.000	0.000							
21	09-12-2016T09:21:30	0.000	0.000	0.000	0.000							
22	09-12-2016T09:22:30	0.000	0.000	0.000	0.000							
23	09-12-2016T09:23:30	0.000	0.000	0.000	0.000							
24	09-12-2016T09:24:30	0.000	0.000	0.000	0.000							
25	09-12-2016T09:25:30	0.000	0.000	0.000	0.000							
26	09-12-2016T09:26:30	0.000	0.000	0.000	0.000							
27	09-12-2016T09:27:30	0.000	0.000	0.000	0.000							
28	09-12-2016T09:28:30	0.000	0.000	0.000	0.000							
29	09-12-2016T09:29:30	0.000	0.000	0.000	0.000							
30	09-12-2016T09:30:30	0.000	0.000	0.000	0.000							
31	09-12-2016T09:31:30	0.000	0.000	0.000	0.000							
32	09-12-2016T09:32:30	0.000	0.000	0.000	0.000							



Diagnosis

The screenshot shows a web interface for a Socomec device. At the top, there is a navigation bar with icons and labels for U/I, Power, General Energy, Tariff, Recording, Diagnosis (highlighted), Setup, and Logout. Below the navigation bar, the device name 'COUNTIS E27' and the time '12/10/17 - 15:22:35' are displayed. The main content area features a table titled 'INFORMATION' with the following data:

INFORMATION	
Device serial number:	ALEQ900004
Counter FW 1 version:	1.22
Counter FW 2 version:	3.02
Ethernet FW version:	1.09
Hardware version:	2220
Counter model:	COUNTIS E27
Counter type:	No MID
Current full scale:	80A
Error:	-
Used memory:	1%
Last FTP upload:	12/10/2017 12:00 - OK

The Socomec logo and tagline 'Innovative Power Solutions' are visible in the bottom right corner of the interface.



Configuration

- Modification of communication parameters;
- Modification of the internal clock (manual or synchronization with NTP server);
- Choice of the separator for CSV file.

The screenshot shows the configuration page for 'COUNTS E27' at 12/10/17 - 15:23:14. The 'Setup' menu is active. The configuration is divided into three sections:

- CONNECTION:**
 - Addressing Mode: Static
 - IP Address: 172.23.16.159
 - Subnet Mask: 255.255.0.0
 - Secondary DNS: 8.8.4.4
 - Modbus over TCP Port: 00503
 - Host Name (max 15): E27-SOCOMECC
 - Gateway: 172.23.13.1
 - Primary DNS: 8.8.8.8
 - Modbus TCP Address: 05
- REALTIME CLOCK:**
 - Date (DD/MM/YYYY): 12/10/17
 - Time (HH:MM:SS): 15:23:14
 - NTP Sync Enable:
 - Timezone: +1
 - Daylight saving time end: 01-01-2015 00:00
 - NTP Time Server (max 50): europe.pool.ntp.org
 - Daylight saving time start: 01-01-2015 00:00
- SEPARATORS:**
 - Date format: DD-MM-YYYY
 - Separator character: dot (.)

An 'Apply' button is located at the bottom center of the configuration area.

Configuration

- Automatic export of CSV files via FTP.

FTP SCHEDULE

Enabled:

FTP Server (max 40):

FTP Username (max 15):

FTP password (max 15):

FTP folder (max 15):

Monday:

Tuesday:

Wednesday:

Thursday:

Friday:

Saturday:

Sunday:

Delete after Upload:



Configuration

- Two profiles available:
 - User (viewing information)
Login: user
Password: user
 - Admin (viewing, configuring and resetting energies)
Login: admin
Password: Admin

USERS		
Username (max 15):	<input type="text" value="admin"/>	<input type="button" value="Apply"/>
Password (max 15):	<input type="password" value="....."/>	<input type="button" value="Add"/>
Username (max 15):	<input type="text" value="user"/>	<input type="button" value="Remove"/>
Password (max 15):	<input type="password" value="...."/>	

thank you **SO** much!
thank you **SO** much!