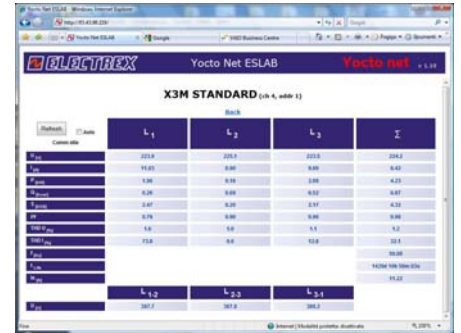# Yocto net Upgrade Web

Yocto net Upgrade

Yocto net Upgrade Web: software implementation, activated by PUK entry on the Yocto net's configuration page. This feature enables HTML WEB pages displaying real-time measurements on-line, from any of the instruments connected to the Yocto net. The web pages will display data on electric energy, temperature, humidity, luminosity, etc.

The web pages are hosted within the Yocto net and not in a PC, can be displayed from any PC, tablet, smart phone, etc.

The web pages can display measurements upcoming from different devices (X3M, Femto, Atto, Deca Sensor, Yocto I-O, etc.) and different parameters (electric energy, gas m3, luminosity, humidity, environmental temperature, contact temperature, etc.).

While the **Yocto net Upgrade Web Open** software implementation enables the feature of **customizing** the web pages.
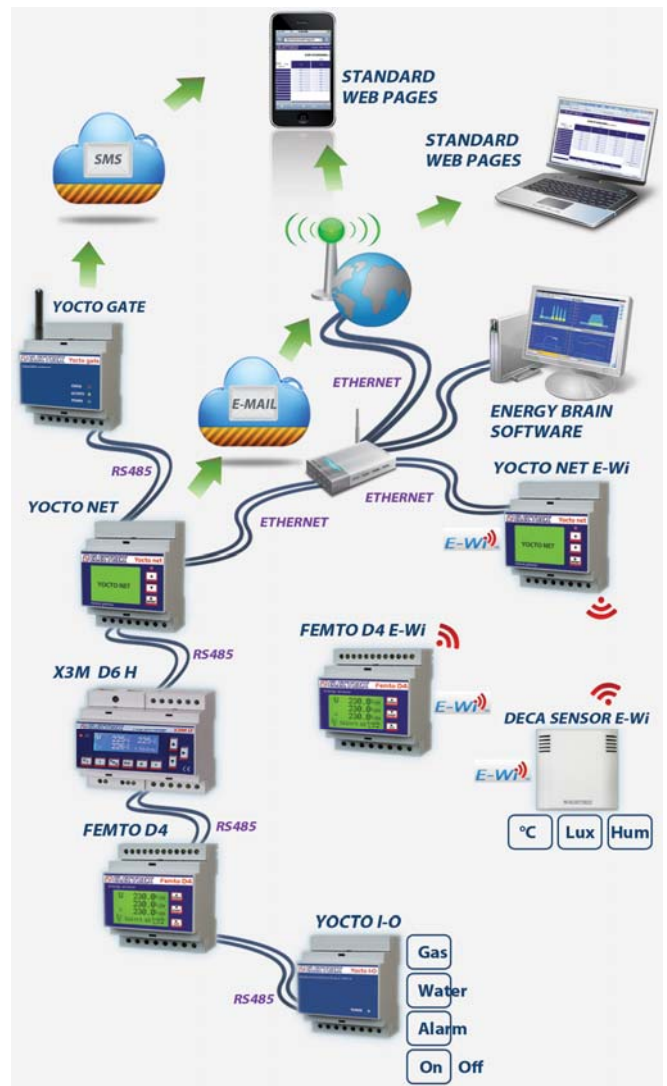
Yocto net Network Example

In the network here beside a first Yocto net is connected through the RS485 port to various devices: an X3M H D6, a Femto D4, an Yocto I-O (retrieving data from a gas meter, a water meter, managing a process alarm and commands an output state) and an Yocto gate. Another Yocto net Coordinator E-Wi is connected through radio waves (wireless) to a Femto D4 E-Wi and a Deca Sensor E-Wi, which measures temperature, luminosity and environmental humidity. A PC is used for retrieving and managing the data through the Energy Brain software. The PC can can be located anywhere: in the company facilities or at the headquarters of an outside consultant.

All the network is managed and monitored directly from the Yocto net and the WEB pages feature is enabled by implementing the **Yocto net Upgrade Web** option. This means that it is not needed a second PC where the devices are installed, so you avoid also additional energy consumption, problems related to the PC functioning causing the loss of data, etc.

Further software implementations which can be installed in the Yocto net are the following:

- **Yocto net Upgrade Web Open:** it adds the possibility to customize the real-time measurements WEB pages.

- **Yocto net Upgrade Mail Alarm:** it adds the possibility to send e-mails and/or SMS (in this case the Yocto net should be connected to an Yocto Gate) to several recipients if a previously set event occurs.

- **Yocto net Upgrade Calendar:** it adds the possibility to manage functionalities of Energy Automation as turning on/off, alarms/alerts/notifications and automations based on a yearly calendar configurable also on a minute/hour/day/month basis.

- **Yocto net Upgrade Charts:** it adds the possibility to display on a WEB page the daily charts of electric energy, temperature, humidity, luminosity, etc.

- **Yocto net Upgrade 4-You:** it adds the possibility to modify an existing logging service on a Yocto net Log. For example, in order to perform a load profile survey and/or increase/decrease the sampling frequency and the logging period.

More info on the **Yocto net** device can be found on our web site http://www.electrex.it/en.

Engineered and manufactured in Italy
Made in Italy
Pensato, progettato e prodotto in Italia

WEB pages examples

ELECTREX — Yocto net

Channels | Status ⌄ | Setup ⌄

Enel 12kW trifase - Femto 70A (addr 60)

Refresh / Auto	L_1	L_2	L_3	Σ
U_{L-N} [V]	220.3	220.7	219.6	220.2
U_{L-L} [V]	382.4	380.3	381.5	381.4
I [A]	8.70	4.32	14.26	8.16
THD U_{L-N} [%]	1.5	1.6	1.6	1.6
THD U_{L-L} [%]	1.1	1.1	1.2	1.2
THD I [%]	62.2	63.3	16.1	47.2
PF	-0.85	-0.77	0.96	1.00
$P_{+/-}$ [kW]	1.63	0.74	3.02	5.39
$Q_{+/-}$ [kvar]	-0.11	-0.33	0.67	0.23
$S_{+/-}$ [kVA]	1.92	0.95	3.13	5.39
I_N [A]				11.61
f [Hz]				50.02

ELECTREX — COORDINATORE — Yocto net

Home | Eventi | Misure | Grafici | Stato ⌄ | Impostazioni ⌄ | Login

Deca 10 E-Wi
Deca Wireless, indirizzo 10

Menu misure / Aggiorna / Auto	Valore istantaneo	Valore minimo	Valore medio	Valore massimo
Temperatura [°C]	1.58	-2.13	2.93	7.38
Umidità relativa [%]	74.47	39.58	65.82	87.65
Luminosità [Lux]	158.88	0.00	240.64	5 059.45

	Valore pesato	Numero impulsi
Gas [m³]	1999.00	199 983

Ultimo aggiornamento	Mer 1 Feb 2012 15:44:25
Livello batteria [%]	100

Order code

Type	Code
Yocto net upgrade WEB (PUK) PFSW940-05	

Subject to modification without prior notice
Data sheet Yocto net upgrade Web   2012 02 02-ENG

Distributor

ELECTREX
the energy saving technology

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