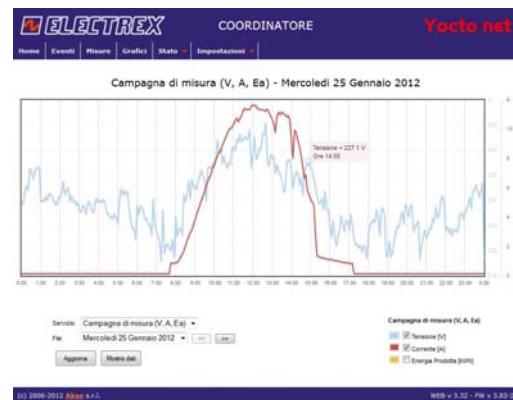


Yocto net Upgrade 4You

Yocto net Upgrade



Yocto net Upgrade 4You: software implementation, activated by PUK entry on the Yocto net's configuration page. It adds the possibility to modify an existing logging service on a Yocto net Log, through a configurator, which displays also info on the memory usage of the relevant data. The implementation allows, for example, performing a load profile survey on electric parameters (voltage, current, power factor, etc.) and/or increase/decrease the sampling frequency and the logging period. While through the **Yocto net Upgrade Charts implementation** it is possible to display on-line the daily charts of the customized logging service.

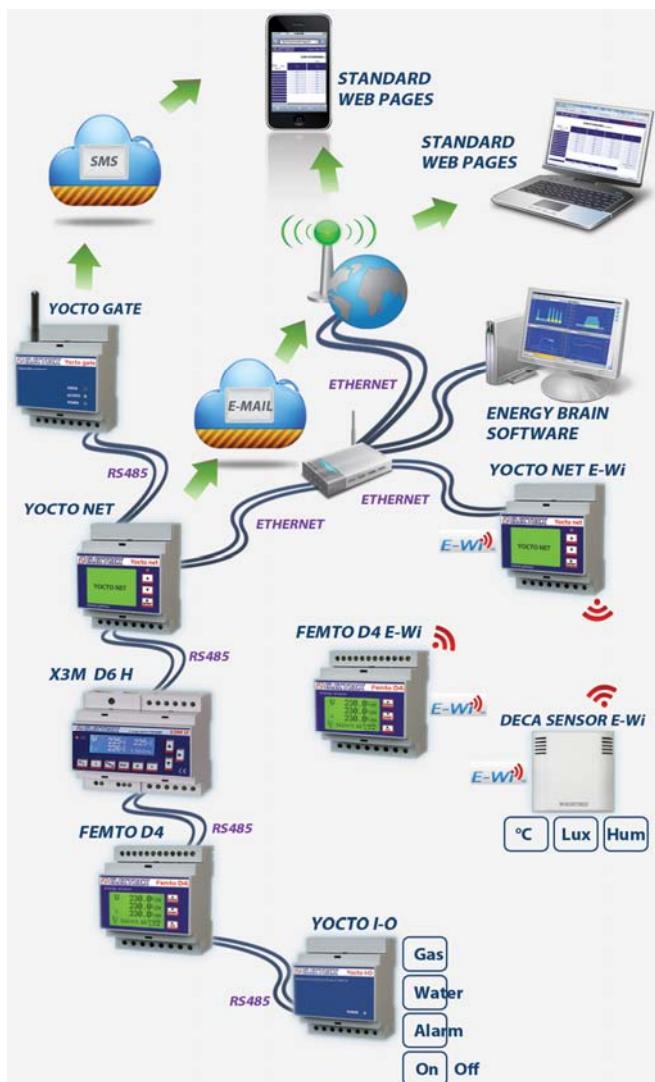
Yocto net Network Example

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 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. 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:** enables HTML WEB pages displaying real-time measurements on-line, from any of the instruments connected to the Yocto net.
- **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.



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

Chart configuration example

Here below it is shown the configuration page for a load profile survey on voltage, current, energy with a sampling period of 5 minutes and an example of a daily chart.

COORDINATORE **Yocto net**

Configurazione datalogger

Servizio: Datalogger 5 - Campagna di misura (V, A, Ea) ▾
Nome del servizio: Campagna di misura (V, A, Ea)
Intervallo di campionamento: 5 min
Numero massimo di files sul disco: 10 min
Eventi da memorizzare: Accensione/spegnimento
 Modifiche all'orologio di sistema
 Modifiche alla configurazione del datalogger
Allineamento dei campioni: Alla mezzanotte

Registri memorizzati

Campionamento	Canale	Registri
Periodico	Fento 33 Generale Produzione Fotovoltaico Out Inverter	Tensione U1N
Periodico	Fento 33 Generale Produzione Fotovoltaico Out Inverter	Corrente I1
Periodico	Fento 33 Generale Produzione Fotovoltaico Out Inverter	Ea Importata totale/T1 (6-bit)

Dimensione configurazione: 40 bytes
Dimensione file dati: 8 710 bytes
Spazio richiesto su disco: 87 140 bytes

Grafico

Nome curva / Asse Y	Canale / Registro	Memorizzazione attiva
Tensione Asse #2: DX, V, [auto,auto]	Fento 33 Generale Produzione Fotovoltaico Out Inverter Tensione U1N	<input checked="" type="checkbox"/>
Corrente Asse #3: DX, A, [auto,auto]	Fento 33 Generale Produzione Fotovoltaico Out Inverter Corrente I1	<input checked="" type="checkbox"/>
Energia Prodotta Asse #1: SX, kWh, [auto,auto]	Fento 33 Generale Produzione Fotovoltaico Out Inverter Ea Importata totale/T1 (64bit)	<input checked="" type="checkbox"/>

COORDINATORE **Yocto net**

Campagna di misura (V, A, Ea) - Mercoledì 25 Gennaio 2012

0:00 1:00 2:00 3:00 4:00 5:00 6:00 7:00 8:00 9:00 10:00 11:00 12:00 13:00 14:00 15:00 16:00 17:00 18:00 19:00 20:00 21:00 22:00 23:00 0:00

Servizio: Campagna di misura (V, A, Ea) ▾
File: Mercoledì 25 Gennaio 2012 ▾
 Aggiorna Mostra dati

Campagna di misura (V, A, Ea)
 Tensione [V]
 Corrente [A]
 Energia Prodotta [kWh]

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Order code

Type	Code
Yocto net upgrade 4You (PUK)	PFSW940-25

Subject to modification without prior notice
Data sheet Yocto net upgrade 4You 2012 02 02-ENG