eurogidevices

CATALOGUE 2014-03

EuComm

AUTOMATION

MONITORING

CONTROL

Eurogi S.r.l.

Eurogi S.r.l. since **1983** develops and produces electronic devices for Industrial and Plants market.
Quality culture is applied to all processes in the different division of the company.
Our team is focused on clients suppport, technical and commercial assistance is garanted pre- and post selling.

TECHNOLOGICAL PARTNERS

Eurogi cooperates with companies in partnership to give a complete solutions in complex systems.

CUSTOM DEVICES

Eurogi is able to modify standard device or develop new ones to optimize clients requirements.

OVERVIEW

BOARD MICRO	Board with microprocessor and pin strip for I/O board I/O DINOKIT or custom shield
EUMEGA	Arduino Compatible - Processor ATmega 2560 - Compatible DINOKIT05 and shield Yùn / UNO
EUPIC18	Processor PIC18 - Compatible DINOKIT05
EUTASK	Processor PIC18 - Compatible DINOKIT05 Pre-installed firmware for programming through Task Script IDE
DINOKIT	I/O Board with pin strip + DIN rail box
DINOKIT01	Power supply 5 VDC - 12 I/O - Input and Output 0÷5 VDC o external V - PWM Pluggable screw terminal blocks - 4 Units
DINOKIT03	Power supply 12÷24 VDC - 12 I/O - Input and Output 0÷10VDC - Dimmer Screw terminal blocks - 4 Units
DINOKIT05	Power supply 12÷24 VDC - 18 I/O - Input and Output 0÷10VDC - PWM / Dimmer Screw terminal blocks - 6 Units
DINO 01	Board Micro + I/O Board of DINOKIT01
DINO DY01	Arduino Yùn - WiFi/Ethernet/RS-485 - USB Host - Linux + Arduino - SD Memory
DINO DU01	Arduino UNO - RS-485
DINO DL01	Arduino Leonardo - RS-485
DINO DE01	EUMEGA - RS-485
DINO 03	Board Micro + I/O Board of DINOKIT03
DINO DY03	Arduino Yùn - WiFi/Ethernet/RS-485 - USB Host - Linux + Arduino - SD Memory
DINO DU03	Arduino UNO - RS-485
iLINK	iLINK firmware licences pre-installed on the devices
BLUE - GREEN	Gateway and Slave InterLINK
YELLOW - RED	Gateway and Slave Modbus
CHAMELEON	Board Micro + I/O Board of DINOKIT05
CHAMELEON EUMEGA	EUMEGA - RS-485 (1) - RS-485 (2) modbus slave api hardware
CHAMELEON BITLASH	EUMEGA - RS-485 (1) - RS-485 (2) modbus slave api hardware Pre-installed firmware to programming through scripting Bitlash via console
CHAMELEON EUPIC18	EUPIC18 - RS-485 (1) - RS-485 (2) modbus slave api hardware
CHAMELEON EUTASK	EUTASK - RS-485 (1) - RS-485 (2) modbus slave api hardware Pre-installed firmware to programming through Task Script IDE
APP	iOS7 and Android
DINO REMOTE	App manages I/O of DINO DY03 iLINK BLUE
INDOSSABILI	Watch
PEBBLE	Watch Bluetooth - Waterproof 5 atm App on connected smartphone to interact (Vibration/Messages/Custom buttons)
XS-3	Watchphone - Android 4.0 - 3G WiFi GPS Bluetooth App Android to interact
DEBUGGER	
DEBACO	Digital and analog input generator - Digital and analog output displayer Version 5 V for DINO DY01 / DU01 / DL01 / DE01

EUMEGA - ARDUINO COMPATIBLE

Code	Description
D37G001004	EUMEGA

Power supply	7÷15 VDC - 70 mA max Connector 2,1 mm positive center
Absorbtion	1 W
Processor	ATMega 2560
Memory flash	256 Kb
USB	Type B for programming through Arduino IDE
Pin strip	The two internal rows are compatible with shields for Yùn / Uno / Leonardo
Pin strip signals	8 analogs 14 pwm 25 digitals 10 communications
Reset	Button
IP	00
Dimensions	69 x 57 mm
Norms	CE

EUPIC18

Code	Description
D37G001005	EUPIC18

MAY 2014

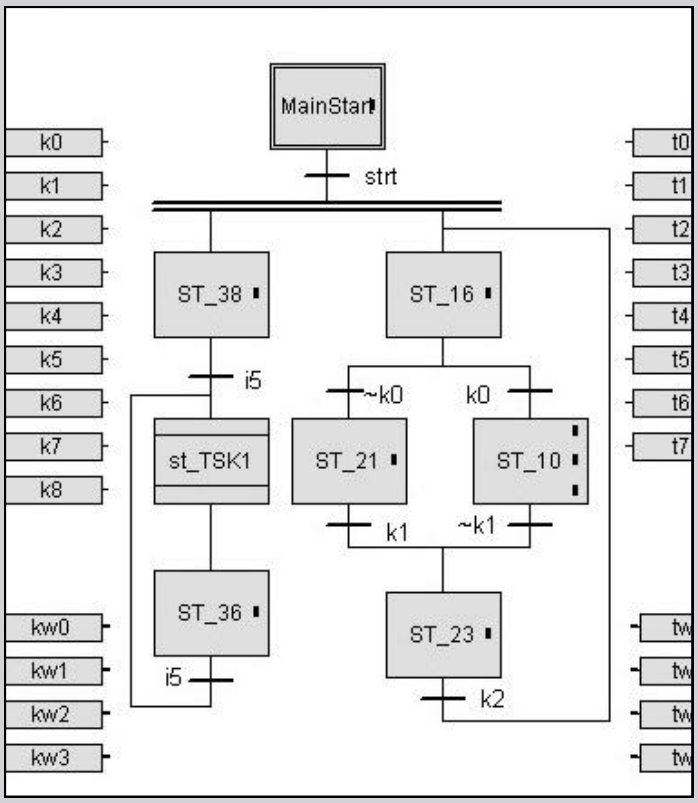
- Board with form factor similar at EUMEGA
- Processor PIC18

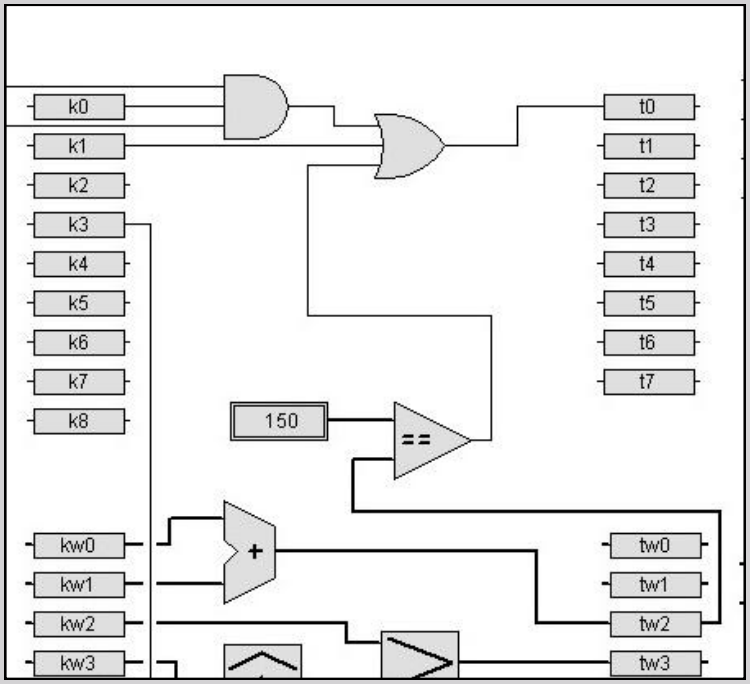
EUTASK - TASK SCRIPT FIRMWARE

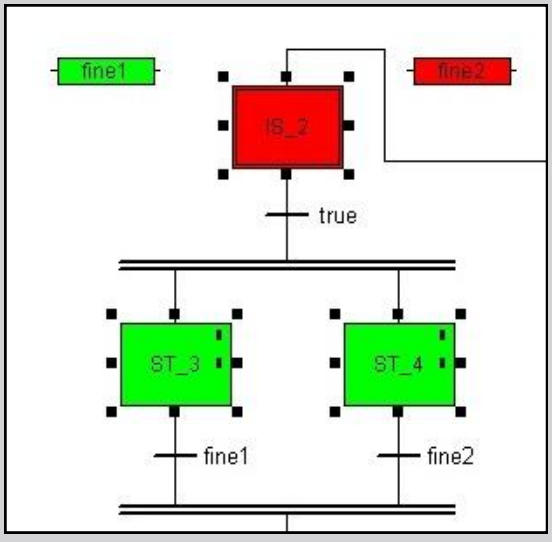
Code	Description
D37G001006	EUTASK

MAY 2014

- Board EUPIC18
- Preinstalled firmware for programming through Task Script IDE
  www.taskscript.com

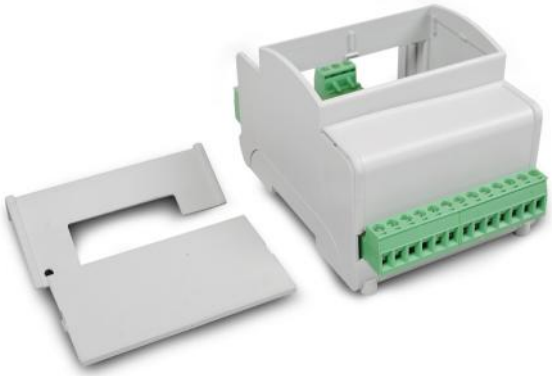






DINOKIT01 - I/O BOARD + BOX

Code	Description
D37G001007	DINOKIT01



Power supply	3 pluggable screw terminal blocks 5 VDC ±10% - 50 mA max
Absorbtion	1 W
Pin strip	compatibles with board Yùn / Uno / Leonardo
RS-485	3 pluggable screw terminal blocks
Inputs	Group 6 pluggable screw terminal blocks 6 Analog Inputs 0÷5 V
Outputs	Group 7 pluggable screw terminal blocks 3 Digital Outputs ON/OFF (PNP/NPN) 1 Common 3 Output PWM 0÷5 V or ext. V (PNP/NPN)
Reset	Button
IP	00
Dimensions	68 x 87 mm
Norms	CE

Dimensions	4 Units
Height	53 mm
Lateral walls	N.2 compatibles with Yùn / Uno / Leonardo
IP	20
Mounting	DIN Rail

EXAMPLE OF MOUNTING DINOKIT01 WITH BOARD ARDUINO YÙN:
http://youtu.be/8V6XdTMBNQA

DINOKIT03 - I/O Board + Box

Code	Description
D37G001008	DINOKIT03

Power supply	3 pluggable screw terminal blocks 12÷24 Vdc ±10% - 50 mA max
Absorbtion	1 W
Pin strip	compatibles with board Yùn / Uno / Leonardo
RS-485	3 pluggable screw terminal blocks
Inputs	screw terminal blocks 6 Analog Inputs 0÷10 V
Outputs	screw terminal blocks 3 Digital Outputs ON/OFF 1 Common 3 Output DIMMER 0÷10 V
Reset	Button
IP	00
Dimensions	68 x 87
Norms	CE

Dimensions	4 Units
Height	53 mm
Lateral walls	N.2 compatibles with Yùn / Uno / Leonardo
IP	20
Mounting	DIN Rail

DINOKIT05 - I/O Board + Box

Code	Description
D37G001009	DINOKIT05

Power supply	3 pluggable screw terminal blocks 12÷24 Vdc ±10% - 50 mA max
Absorbtion	1 W
Pin strip	compatible EUMEGA/EUPIC18
RS-485 (1)	3 pluggable screw terminal blocks
RS-485 (2) modbus	3 pluggable screw terminal blocks modbus slave api hardware
Inputs / Uscite	20 screw terminal blocks 4 Opto Digital Inputs 2 Analog Inputs active/passive 8 Digital Outputs 4 Outputs PWM 0÷10 V or Output DIMMER 0÷10 V or Analog Inputs active/passive 2 Common
Reset	Button
IP	00
Dimensions	108 x 87 mm
Norms	CE

Dimensions	6 Units
Height	53 mm
Lateral walls	N.2 compatibles with EUMEGA/EUPIC18
IP	20
Mounting	DIN Rail

DINO DY01 - ARDUINO YÙN INSIDE

Code	Description
D37G001014	DINO DY01

Power supply	3 pluggable screw terminal blocks 5 VDC ±10% - 50 mA max
Absorbtion	3 W
Internal Board	Arduino Yùn + board of DINOKIT01
Section Linux	Processor Atheros AR9331 - Memory 16 Mb
Section Arduino	Processor ATmega32u4 - Memory 32 Kb
Connectivity	WiFi 802.11 b/g/n Hotspot and Device Ethernet 10/100 RJ45
USB	Type A 2.0 host/device Micro USB for programming through Arduino IDE
Memory	micro SD
RS-485	3 pluggable screw terminal blocks
Inputs	Group 6 pluggable screw terminal blocks 6 Analog Inputs 0÷5 V
Outputs	Group 7 pluggable screw terminal blocks 3 Digital Outputs ON/OFF (PNP/NPN) 1 Common 3 Output PWM 0÷5 V or ext. V (PNP/NPN)
Reset	Button
IP	20
Mounting	DIN Rail - 4 Units
Dimensions	68 x 87 mm
Norms	CE

DINO DU01 - ARDUINO UNO INSIDE

Code	Description
D37G001018	DINO DU01

Power supply	3 pluggable screw terminal blocks 5 VDC ±10% - 50 mA max
Absorbtion	3 W
Internal Board	Arduino UNO + board of DINOKIT01
Section Arduino	Processor ATmega328 - Memory 32 Kb
USB	Type B for programming through Arduino IDE
RS-485	3 pluggable screw terminal blocks
Inputs	Group 6 pluggable screw terminal blocks 6 Analog Inputs 0÷5 V
Outputs	Group 7 pluggable screw terminal blocks 3 Digital Outputs ON/OFF (PNP/NPN) 1 Common 3 Output PWM 0÷5 V or ext. V (PNP/NPN)
Reset	Button
IP	20
Mounting	DIN Rail - 4 Units
Dimensions	68 x 87 mm
Norms	CE

DINO DL01 - ARDUINO LEONARDO INSIDE

Code	Description
D37G001021	DINO DL01

Power supply	3 pluggable screw terminal blocks 5 VDC ±10% - 50 mA max
Absorbtion	3 W
Internal Board	Arduino LEONARDO + board of DINOKIT01
Section Arduino	Processor ATmega32u8 - Memory 32 Kb
USB	Micro USB for programming through Arduino IDE
RS-485	3 pluggable screw terminal blocks
Inputs	Group 6 pluggable screw terminal blocks 6 Analog Inputs 0÷5 V
Outputs	Group 7 pluggable screw terminal blocks 3 Digital Outputs ON/OFF (PNP/NPN) 1 Common 3 Output PWM 0÷5 V or ext. V (PNP/NPN)
Reset	Button
IP	20
Mounting	DIN Rail - 4 Units
Dimensions	68 x 87 mm
Norms	CE

DINO DE01 - EUMEGA BOARD INSIDE

Code	Description
D37G001022	DINO DE01

Power supply	3 pluggable screw terminal blocks 7÷15 VDC - 50 mA max
Absorbtion	3 W
Internal Board	EUMEGA + board of DINOKIT01
Section Arduino	Processor ATmega2560 - Memory 256 Kb
USB	Type B for programming through Arduino IDE
RS-485	3 pluggable screw terminal blocks
Inputs	Group 6 pluggable screw terminal blocks 6 Analog Inputs 0÷5 V
Outputs	Group 7 pluggable screw terminal blocks 3 Digital Outputs ON/OFF (PNP/NPN) 1 Common 3 Output PWM 0÷5 V or ext. V (PNP/NPN)
Reset	Button
IP	20
Mounting	DIN Rail - 4 Units
Dimensions	68 x 87 mm
Norms	CE

DINO DY03 - ARDUINO YÙN INSIDE

Code	Description
D37G001023	DINO DY03

Power supply	3 pluggable screw terminal blocks 12÷24 VDC ±10% - 50 mA max
Absorbtion	3 W
Internal Board	Arduino Yùn + board of DINOKIT03
Section Linux	Processor Atheros AR9331 - Memory 16 Mb
Section Arduino	Processor ATmega32u4 - Memory 32 Kb
Connectivity	WiFi 802.11 b/g/n Hotspot and Device Ethernet 10/100 RJ45
USB	Type A 2.0 host/device Micro USB for programming through Arduino IDE
Memory	micro SD
RS-485	3 pluggable screw terminal blocks
Inputs	screw terminal blocks 6 Analog Inputs 0÷10 V
Outputs	screw terminal blocks 3 Digital Outputs ON/OFF 1 Common 3 Output DIMMER 0÷10 V
Reset	Button
IP	20
Mounting	DIN Rail - 4 Units
Dimensions	68 x 87 mm
Norms	CE

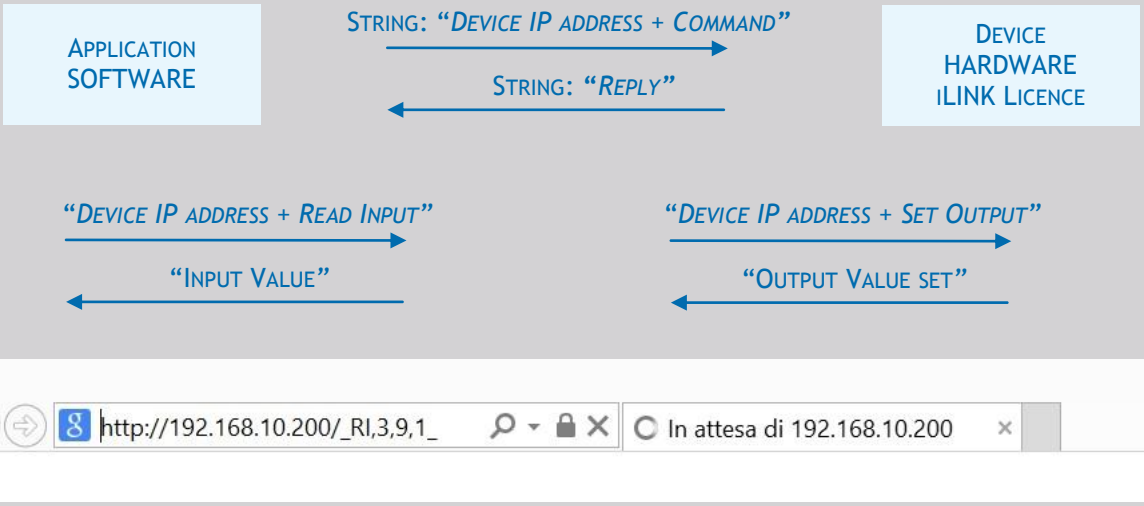
DINO DU03 - ARDUINO UNO INSIDE

Code	Description
D37G001027	DINO DU03

Power supply	3 pluggable screw terminal blocks 12÷24 VDC ±10% - 50 mA max
Absorbtion	3 W
Internal Board	Arduino UNO + board of DINOKIT03
Section Arduino	Processor ATmega328 - Memory 32 Kb
USB	Type B for programming through Arduino IDE
RS-485	3 pluggable screw terminal blocks
Inputs	screw terminal blocks 6 Analog Inputs 0÷10 V
Outputs	screw terminal blocks 3 Digital Outputs ON/OFF 1 Common 3 Output DIMMER 0÷10 V
Reset	Button
IP	20
Mounting	DIN Rail - 4 Units
Dimensions	68 x 87 mm
Norms	CE

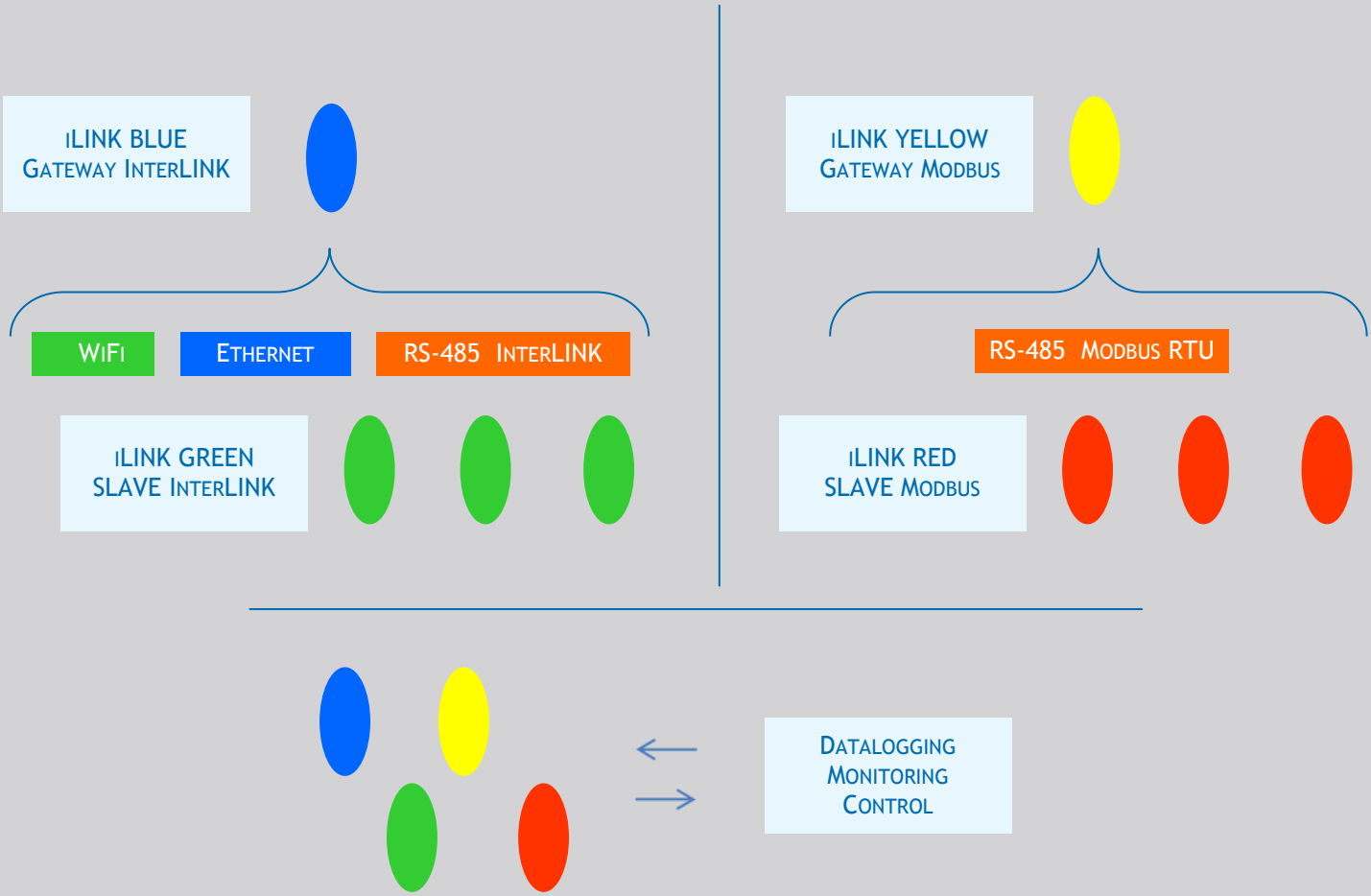
INTERLINK COMMUNICATION PROTOCOL

InterLINK is the communication protocol, developed by **CommSEC**, that with a set of **string** commands manages hardware devices with iLINK preinstalled firmware.



iLINK FIRMWARE LICENCE

Different iLINK firmware -different color- let to create network of devices on Ethernet or Modbus.



ETHERNET / WIFI / SERIAL SOLUTIONS

Code	Description	Note
D37G001015	DINO DY01 iLINK BLUE	Gateway InterLINK
D37G001016	DINO DY01 iLINK GREEN	Slave InterLINK
D37G001019	DINO DU01 iLINK GREEN	Slave InterLINK

Code	Description	Note
D37G001024	DINO DY03 iLINK BLUE	Gateway InterLINK
D37G001025	DINO DY03 iLINK GREEN	Slave InterLINK
D37G001028	DINO DU03 iLINK GREEN	Slave InterLINK

MODBUS TCP / RTU SOLUTIONS

Code	Description	Note
D37G001017	DINO DY01 iLINK YELLOW	Gateway modbus
D37G001020	DINO DU01 iLINK RED	Slave modbus

Code	Description	Note
D37G001026	DINO DY03 iLINK YELLOW	Gateway modbus
D37G001029	DINO DU03 iLINK RED	Slave modbus

SLAVE MODBUS

Code	Description	Note
341E0020	8 Digital Inputs	Inputs ON 10÷30 VDC OFF 0÷3 VDC
341E0021	8 Inputs ±20 mA	Current signals to a ±20 mA
341E0022	8 Inputs ±10 V	Voltage signals to ±10 V
341E0023	8 Inputs mV , Tc	Voltage signals to ±1 V Thermocoupple
341E0024	8 Inputs RTD	Sensors 2 wires (Pt100,Pt1000,Ni100,Ni1000) Resistance signals
341E0030	4 Digital Inputs - 8 Outputs NPN	Inputs ON 10÷30 VDC OFF 0÷3 VDC Outputs 600 mA for chanel - max 3 A for device
341E0031	4 Digital Inputs - 8 Outputs PNP	Ingressi ON 10÷30 VDC OFF 0÷3 VDC Outputs 500 mA for chanel - max 1 A for device
341E0032	4 Digital Inputs - 4 Outputs Relè	Inputs ON 10÷30 VDC OFF 0÷3 VDC 2 Relays SPDT + 2 Relays SPST NA 2 A 250 VAC - 2 A 30 VDC
341E0040	8 Outputs 0÷10 VDC	

CHAMELEON EUMEGA - ARDUINO COMPATIBLE

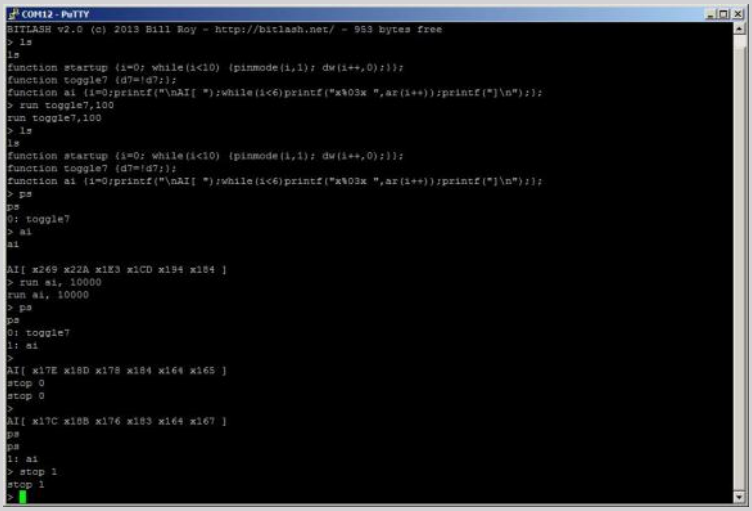
Code	Description
D37G001010	CHAMELEON EUMEGA

Power supply	3 pluggable screw terminal blocks 12÷24 VDC ±10% - 50 mA max
Absorbtion	4 W
Internal board	EUMEGA + I/O board of DINOKIT05
Processor	ATmega2560 - Memory 256 Kb
USB	Type B for programmaing through Arduino IDE
RS-485 (1)	3 pluggable screw terminal blocks
RS-485 (2) modbus	3 pluggable screw terminal blocks Modbus slavePI hardware
Ingressi / Uscite	Screw terminal blocks 4 Digital Inputs opto 2 Analog Inputs active/passive 8 Digitals Outputs 4 Output PWM 0÷10 V or Output DIMMER 0÷10 V or Analog Inputs 2 Common
Reset	Button
IP	20
Mounting	DIN rail - 6 Units
Dimensions	105 x 95 x 60 mm
Norms	CE

CHAMELEON BITLASH

Code	Description
D37G001011	CHAMELEON BITLASH

- CHAMELEON EUMEGA device
- Preinstalled firmware for programming through scripting Bitlash via console www.bitlash.net



CHAMELEON EUPIC18

Code	Description
D37G001012	CHAMELEON EUPIC18

MAY 2014

- Board EUPIC18 + I/O board of DINOKIT05

CHAMELEON EUTASK

Code	Description
D37G001013	CHAMELEON EUTASK

MAY 2014

- CHAMELEON EUPIC18
- Preinstalled firmware for programming through Task Script IDE www.taskscript.com

SPARONE - Raspberry Linux Server

Code	Description
D37G990002	SPARONE 5V

Power supply	5 Vdc/ac - 700 mA max
Internal board	Raspberry PI B + OS
2 USB	Tipo A female
RJ45	Ethernet 10/100
Absorbtion	3 W
Dimensions	4 units
IP	40
Mounting	DIN rail
Norms	CE

Raspberry PI B

- 700MHz ARM1176JZFS processor with FPU and Videocore 4 GPU Broadcom BCM2835
- GPU provides Open GL ES 2.0, hardware-accelerated OpenVG, and 1080p30 H.264 high-profile decode
- GPU is capable of 1Gpixel/s, 1.5Gtexel/s or 24GFLOPs with texture filtering and DMA infrastructure
- 512MB RAM
- Class 4 SD-HD socket 2min … 32max GB with GNU/Linux Server based on DEBIAN
- 2 x USB 2.0 sockets
- 10/100 Mbps Ethernet socket

WATCHPHONE XS-3 - ANDROID OS

Code	Description
D37G555031	WATCHPHONE XS3 BLACK

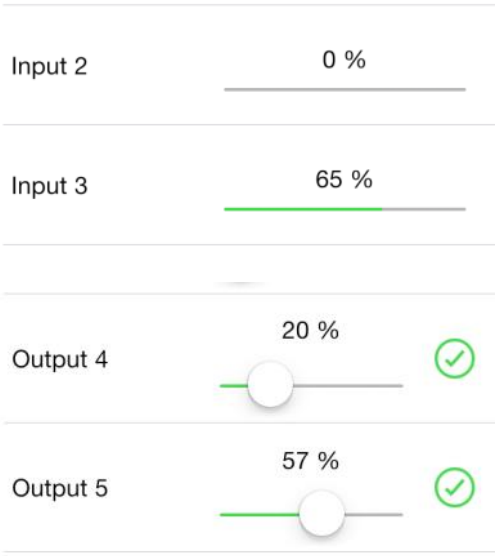
Operative System	Android 4.0
Processor	MTK 6577
RAM	512 Mb
Display	1,54” 240x240 pixel Touch
Connectivity	Micro Sim interna GSM/WCDMA 3G / GPRS / EDGE / HSDPA
Connectivity	Wifi - Bluetooth - GPS
Camera	2 Mpixel
Battery	400 mAh
Dimensions	6,46 x 4,40 x 1,76 cm

WATCH BLUETOOTH PEBBLE

Code	Description
D37G555032	PEBBLE BLACK

Operative System	Pebble OS interacts through Android and iOS APP
Processor	ARM Cortex-M3 - 80 MHz
Display	1,26” 144 X 168 pixel e-paper
Connectivity	Bluetooth 4.0
Sensors	Accelerometer 3D
Waterproof	5 ATM
Dimensions	52 x 36 x 11,5 mm

DINO REMOTE - MOBILE APP



The Dino Remote App, developed by **Apps4yourbusiness**, manages all the **Inputs and the Outputs** of the device **DINO DY03 iLINK BLUE** through Android and iOS mobile devices.

This App utilizes **InterLINK** communication protocol to send commands and receive data.

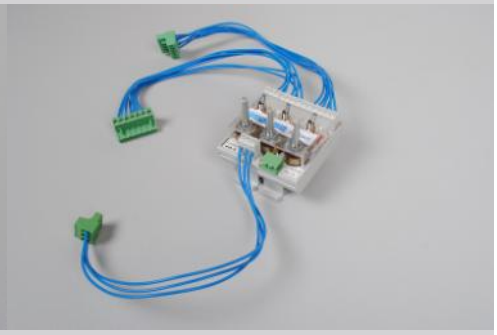
DINO REMOTE DY03

ANDROID APP ON Google play

Available on the App Store

MAY 2014

DeBaco - I/O degubber



Code	Description
D37G111090	DEBACO M01 5V

Power supply IN	5 Vdc - 50 mA max
Power supply OUT	5 Vdc - 50 mA max
Absorption	1 W
Dimensions	4 units
IP	20
Mounting	DIN rail
Norms	CE

Input = Ouputs of the connected device		
3 Analogs	0÷5 V	Each input value is visualized by proportional light of led.
3 Digitals	ON-OFF	Each Input is visualized by led switching on or off.
Ouputs = Input of the connected device		
3 Analogs	0÷5 V	Each potentiometer manages the output.
3 Digitals	ON-OFF	Each switchs manages the output.

DICCI - DC/DC converter

Code	Description
D32G111001	DICCI M01

Input voltage	10÷36 Vdc
Output voltage	5 Vdc
Output current	1 A
Display	Output Led
Protection	Insulation - Shortcircuit - Overload
Dimensions	1 unit
IP	40
Mounting	DIN rail
Norms	CE

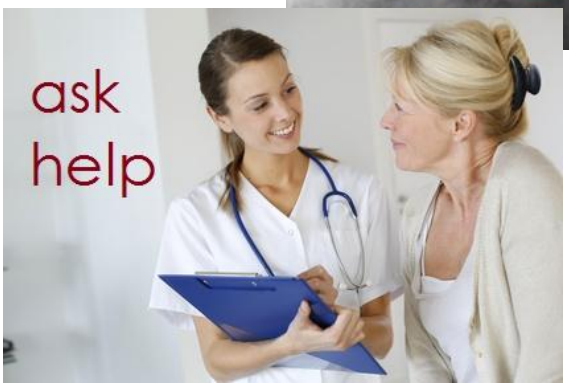

send
alarms


receive alarms

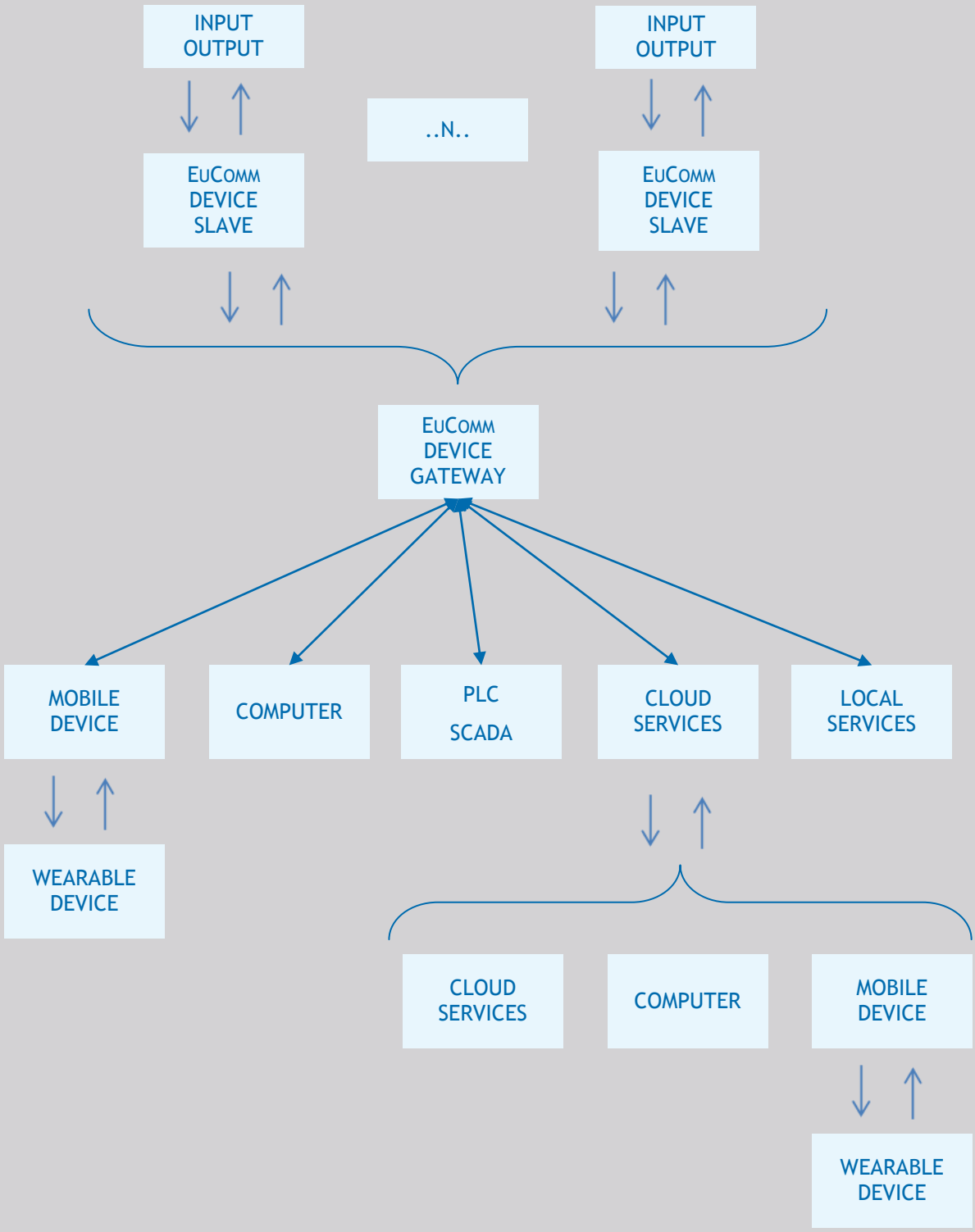

receive
info


send
states


control
home

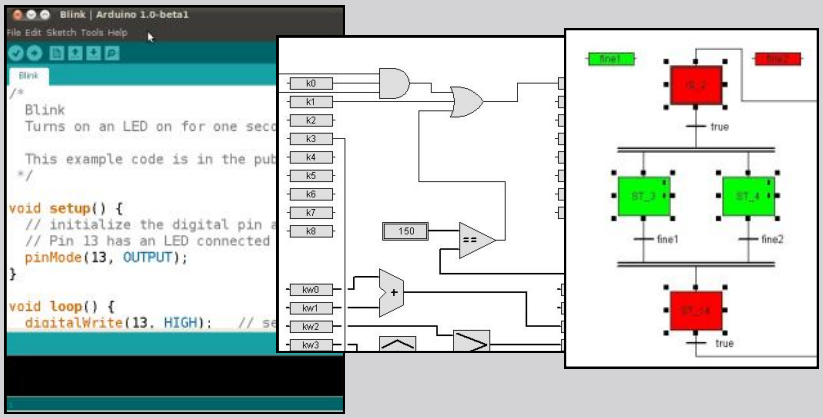

ask
help

ABSTRACT ARCHITECTURE

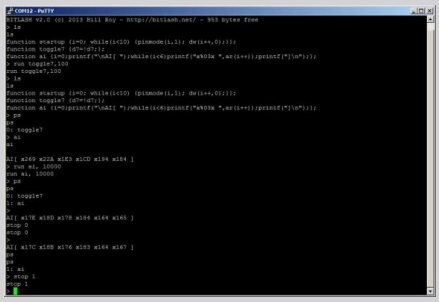


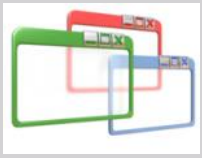
LOCAL AND REMOTE AUTOMATIONS

DEVELOPING PLATFORM IDE



CONSOLE SCRIPT



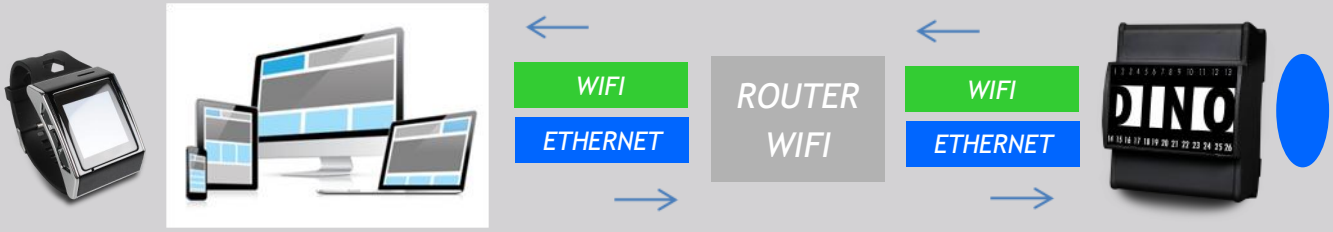


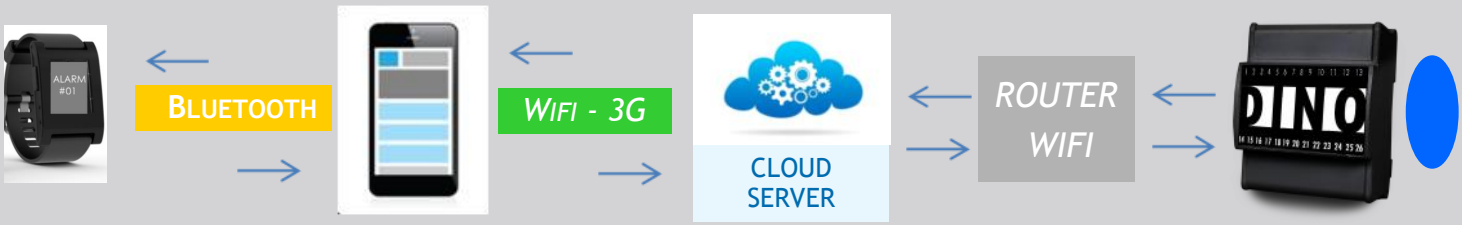
SOFTWARE APPLICATIONS

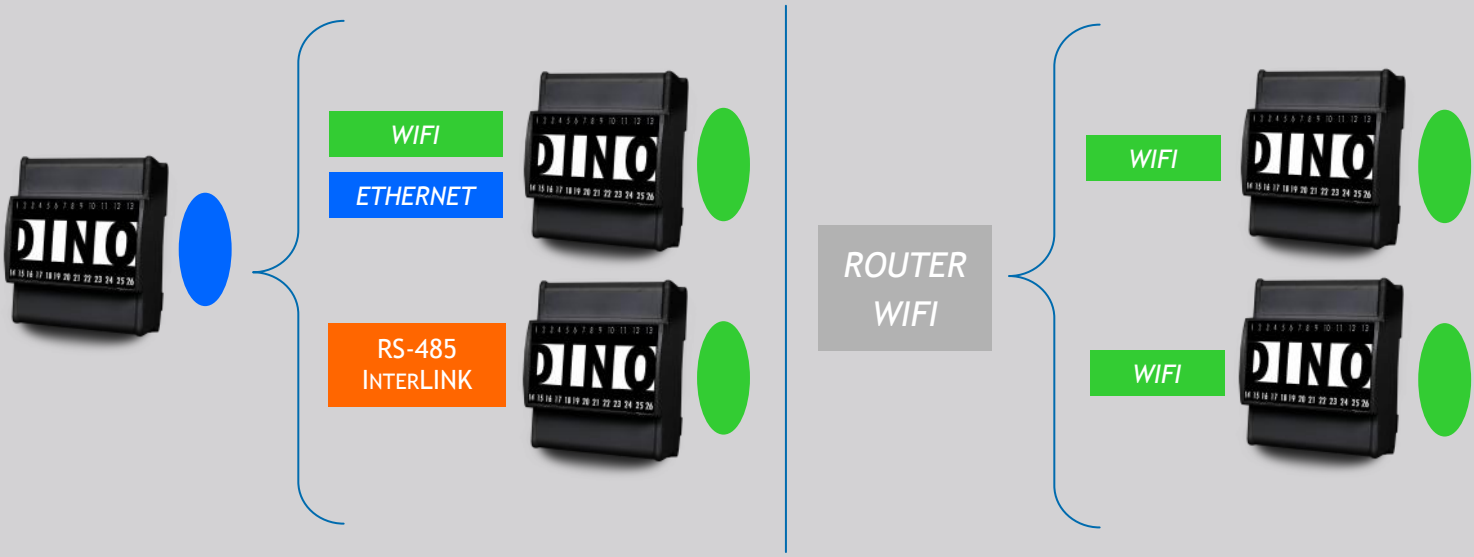
EMAIL
SMS

CLOUD SERVER

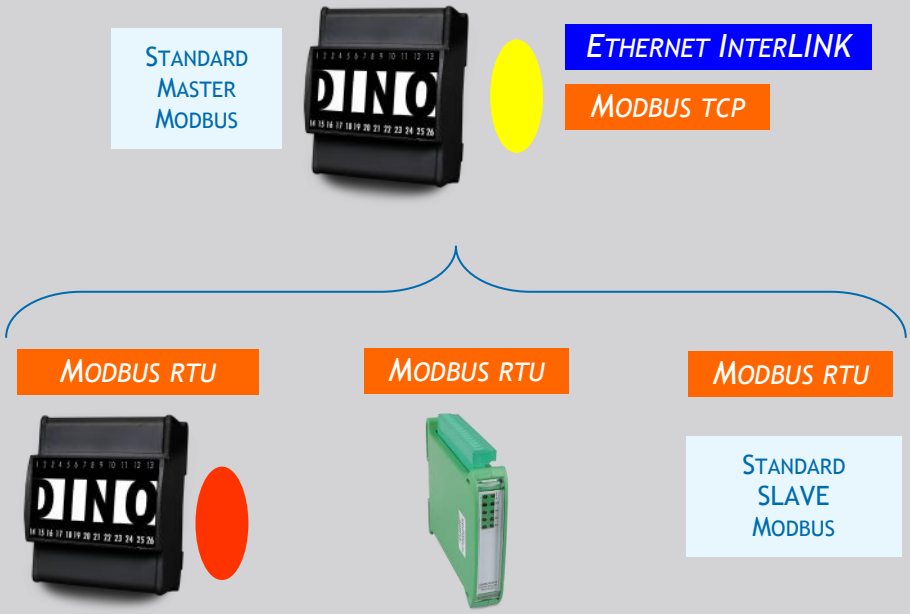
ETHERNET / WIFI / SERIAL SOLUTIONS



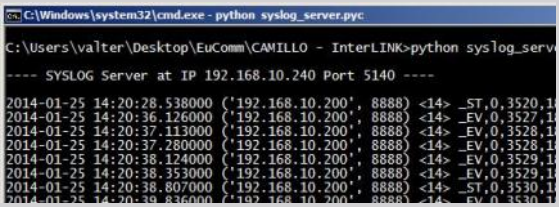




MODBUS TCP / RTU SOLUTIONS



DATALOGGING AND MONITORING



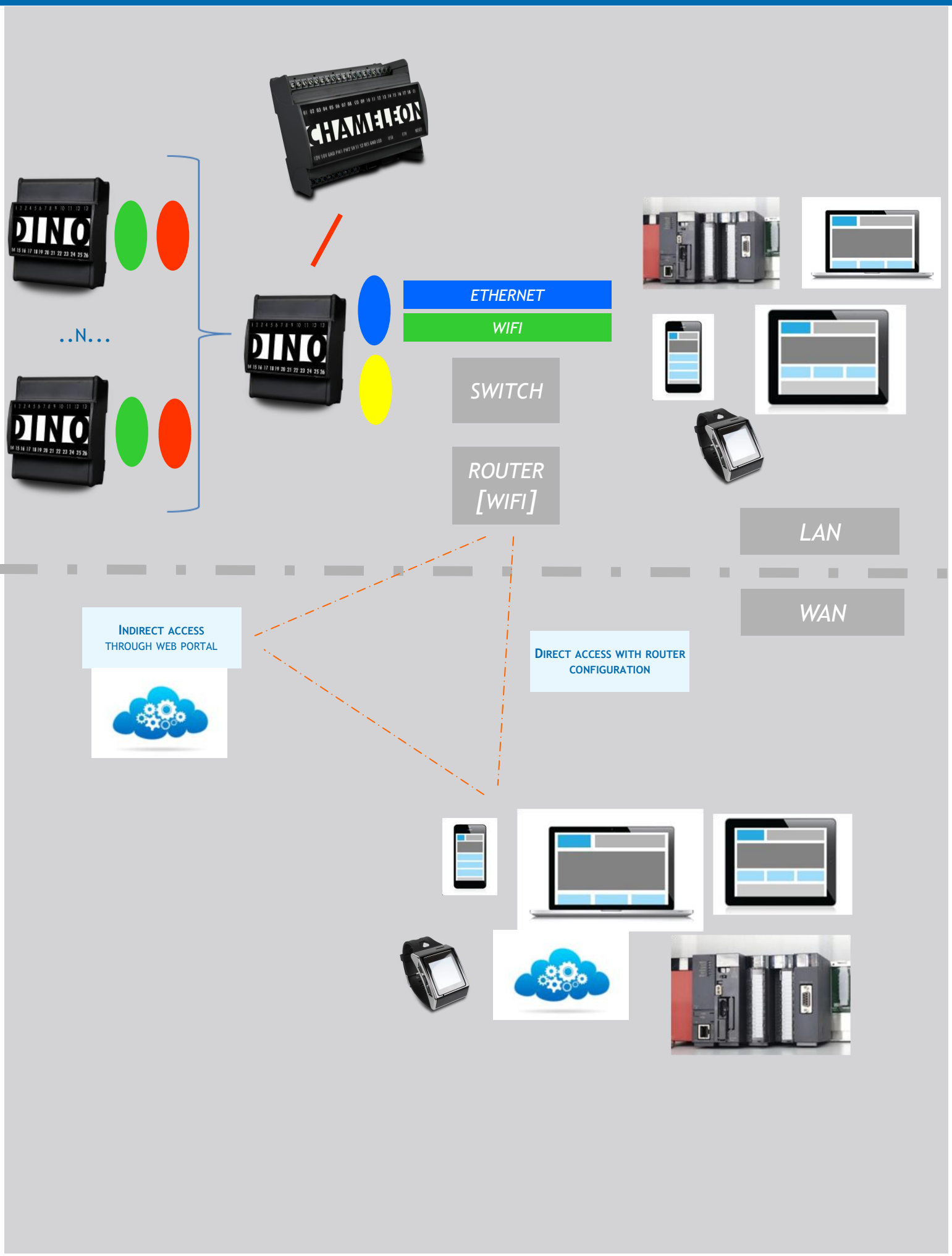
LOCAL SERVER

CLOUD SERVER

CLOUD SERVER

WEB PORTALS
USERS - REPORT
GRAPHICS

LAN AND WAN


CHAMELEON
DINO
..N...
ETHERNET
WIFI
SWITCH
ROUTER [WIFI]
LAN
WAN
INDIRECT ACCESS
THROUGH WEB PORTAL
DIRECT ACCESS WITH ROUTER CONFIGURATION

eurogidevices

Eurogi S.r.l. P.iva 02886790019
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