COMM. CODE	ORDER CODE
8D5908	IEC02

Linux Ethernet Wi-Fi Ingressi Uscite

IoT Edge Computer

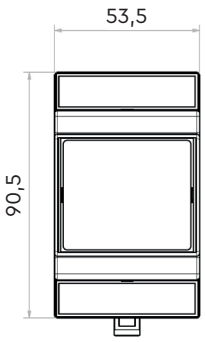
- Multi-protocol
- Linux operating system
- 2 Isolated RS485 Serial Ports
- 1 GIGA 10/100/1000 LAN Port
- Wi-Fi 2.4GHz (optional dual-band)
- 2 Opto-isolated Digital Outputs
- Real Timer Clock

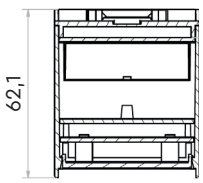
Compact in size but with powerful computing power, IEC2 is the solution designed for all "Smart Grid Controller" applications and smart grid management.
IEC2 is also suitable for all upgrade solutions in the Smart Building field, where an EDGE solution is preferred over the old BAS/BEMS systems.
IEC2 is based on an Embedded, stable and high-performance Linux platform (up to 1500 points) capable of using standard protocols.
IEC2 is applied in the monitoring and remote control of renewable sources and bi-directional energy flows of inverters and storage batteries or other electrical loads, such as in UVAM (Mixed Enabled Virtual Units) applications.
It can also be used in combination with both local and cloud-based third-party software platforms for the implementation of integrated power flow management systems in smart grids and energy communities.

APPLICATIONS
Smart Grid Controller
Remote monitoring
Monitoring

CERTIFICATIONS
CE Marking
RED
RoHS

PACKAGE CONTENTS
8D5908 IEC2
Ethernet cable
Operating Manual





TECHNICAL CHARACTERISTICS

MAIN	Processor: ARM Cortex A7 single core @650 MHz Optional: Dual core @800 MHz Optional: Encryption (AES, DES/TDES – 128, 192 or 256bit) with internal coprocessor Memory (RAM): 256MB (expandable up to 512MB) DDR3 Flash Memory:4GB (expandable up to 32) eMMC RTC: Real Time Clock (7-year CR1220 battery backup) Operating System: Linux Embedded, remote upgradeable (OTA)
CONNECTIVITY	LAN: 1 Gbit Ethernet (RJ-45 connector with standard LEDs) Serial ports: 2 isolated RS485 ports (5kV) Wireless: Wi-Fi 802.11b/g/n (optional 802.11ac) with external SMA antenna
INPUT/OUTPUT	Output: 2 Open Collectors (max 80 Vdc and 80 mA) 3.75 kVrms opto-isolated, PWM up to 30 kHz)
TEMPERATURE	-40°C – 85°C
POWER SUPPLY	5VDC 1A via external power supply unit
VARIOUS	Dimensions: 3M DIN EN 60715 TH35 52.5 × 90 × 58 mm (without external antenna) Weight: 0.5 kg

REGOLA

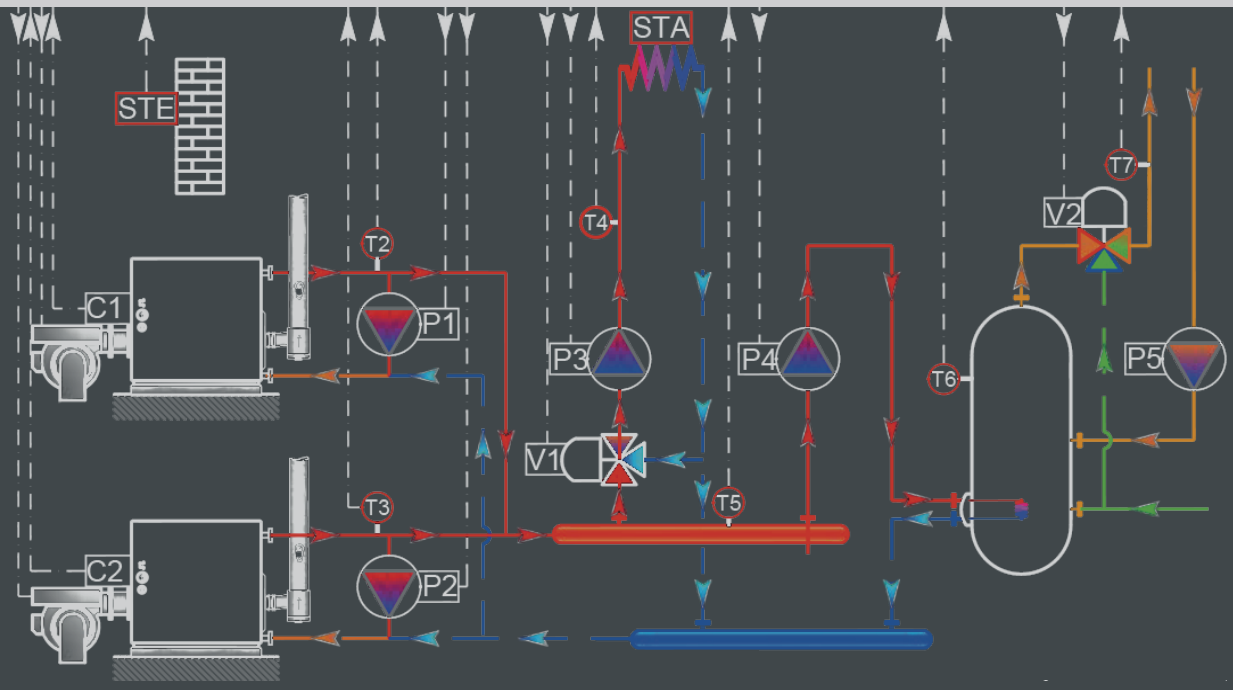
Smart Building

The building is intelligent when it is able to optimally manage energy and provide the best possible comfort to those who live there.

Regola is the new App for configuring Intellienergy controllers, dedicated to building management.

Through WiFi connectivity you can transfer one of the configurations downloaded from the Cloud to the building controller.

The scalability and granularity of the products will allow you to manage all HVAC systems, the integrated room controllers will allow you to manage:

- regolazione HVAC
- regolazione ACS
- regolazione illuminazione
- controllo accessi ed occupazione
- analisi e gestione carichi
- contabilizzazione energia
- gestione allarmi
- sistemi wireless monitoraggio ambientale

AUTOMATION WITHOUT PROGRAMMING