CHAIN2GATE

ENERGY AWARE

CHAIN2GATE

ENGINE

GENERAL INFO	Size: 55mm (L) x 40 mm (H) x 13 mm (D) Weight: almost 60g Protection grade: IP00, open fram
OPERATING CONDITION	Operating Temperature: -20°C ÷ + 60°C Storage Temperature -25°C ÷ + 75°C Humidity Percentage: 5% ÷ 95% Altitude: <= 2000 m Over voltage category: II Pollution Degree: 2
POWER SUPPLY	Voltage: 12 Vdc typ (from 9 V to 16V) Pmax: 6W transmitting; 250mW receiving Protections: integrated fuse and overvoltage protection (optional) AC/DC Driver (optional): Voltage: 230Vac (-20/+15%) Frequency: 50-60 Hz Insulation: no

CERTIFICATIONS	CE Marking:
	Directive LVD 2014/35/UE
	• Safety: EN 62368 -1;
	  EN 60335-1 compliance for household appliances application
	  Directive EMC 2014/30/UE
	• MC: EN 55022; EN 55024; EN 55014-1; EN 55014-2; EN 61000-3-2; EN 61000-3-3

CONNECTION	Pin Strip Connectors to link with the motherboard
COMMUNICATION	PLC Modem C-Band, B-PSK Modulation Application: DLMS/COSEM IEC (IEC 62056-5-3) Data Model: COSEM Data Model (IEC 62056-6-1, IEC 62056-6-2) AC voltage for PLC: 230 V typ; 264 V max Protections: integrated fuse and overvoltage protection (optional) UART To link with the motherboard levels: 3V3 Insulation: optional Optional BUSes: I2C and SPI
COMMUNICATION	PC Board – C2g companion SW – C2 Meter Simulator Documents: user quick guide / serial protocol "Chain2Gate-Host" and Chain2Gate Meter Simulator" quick guide

Compliant with Italian Standard: TS CEI 13-82, TS CEI 13-83, TS CEI 13-84