



Edge

PLC, RTU, IPC, and IoT gateway in a single product

Unipi Edge

The Unipi Edge controller combines a PLC, RTU, edge device, IPC, and IoT/IIoT gateway in a single product. It can therefore be used in a wide range of solutions. Thanks to the Raspberry Pi Compute Module 4, it provides high performance for demanding applications. In addition to the variants that are available in our e-shop, any combination of RAM/eMMC and wireless technology (LTE, WiFi/BT, GNSS) can be assembled. Contact us for a price quote.

✓ Hundreds of variants

✓ Price from 159 €

✓ Branding from 20pcs

✓ Developed/Made in the EU

	E410	E411	E413
Compute module	Raspberry Pi Compute Module 4		
Processor	Quad-core CPU (Arm® Cortex®-A72, max. 1.5 GHz)		
RAM (LPDDR4)	Options 1, 2, 4 or 8 GB		
Internal storage (eMMC)	Options 8, 16 or 32 GB		
DI	4	x	x
DO	2	x	x
AI	5	x	x
RS485	2	1	2
Ethernet	2	1	2
LTE	Yes (by variant)	x	Yes (by variant)
WiFi/Bluetooth	Yes (by variant)	Yes (by variant)	Yes (by variant)
GNSS	Yes (by variant)	x	Yes (by variant)
µHDMI	1	x	1
USB 2.0	2	x	2
Extension modules	Yes (product series xS and xG)		
Other features	TPM 2.0, hardware Watchdog, retain memory (NVRAM 128 kB), user LEDs, RTC (real-time clock)		
Product branding	Yes		
Customization	Yes		

Features

- Powerful Raspberry Pi Compute Module 4
- Optional up to 8 GB RAM and 32 GB eMMC memory
- Wide range of communication options including wireless – Ethernet, RS485, WiFi, Bluetooth, LTE and a variant with GNSS
- Enhanced cybersecurity thanks to TPM 2.0
- Operating temperature range from -20 °C to +60 °C
- Software openness
- Accurate analog inputs for voltage, current, resistance measurement
- Wide power supply range

Special features

Independent HW Watchdog

User LEDs

Retain Memory (NVRAM)

Real-time clock (RTC)

Counter inputs

Direct switch

Branding and customization

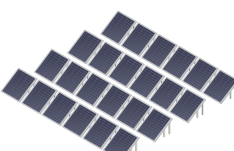


Product with your brand and colors from 20pcs order. Option to implement specific communication technologies, expand I/O, add special features, upload your own operating system or Secure Boot setting during production.

Use cases examples


BMS


HVAC


PHOTOVOLTAIC SYSTEMS