Automation Monitoring and control Remote access and management HVAC



Edge

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

unipi technology

www.unipi.technology

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
M-Bus	Yes (by variant)		
Ethernet	2	1	2
LTE	Yes (by variant)	x	Yes (by variant)
GNSS	Yes (by variant)		
WiFi/Bluetooth	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, M-Bus, 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

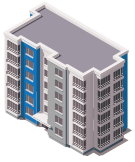
Branding and customization





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.

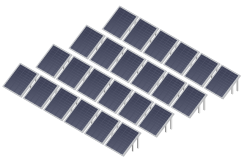
Use cases examples



BMS



HVAC



PHOTOVOLTAIC SYSTEMS