

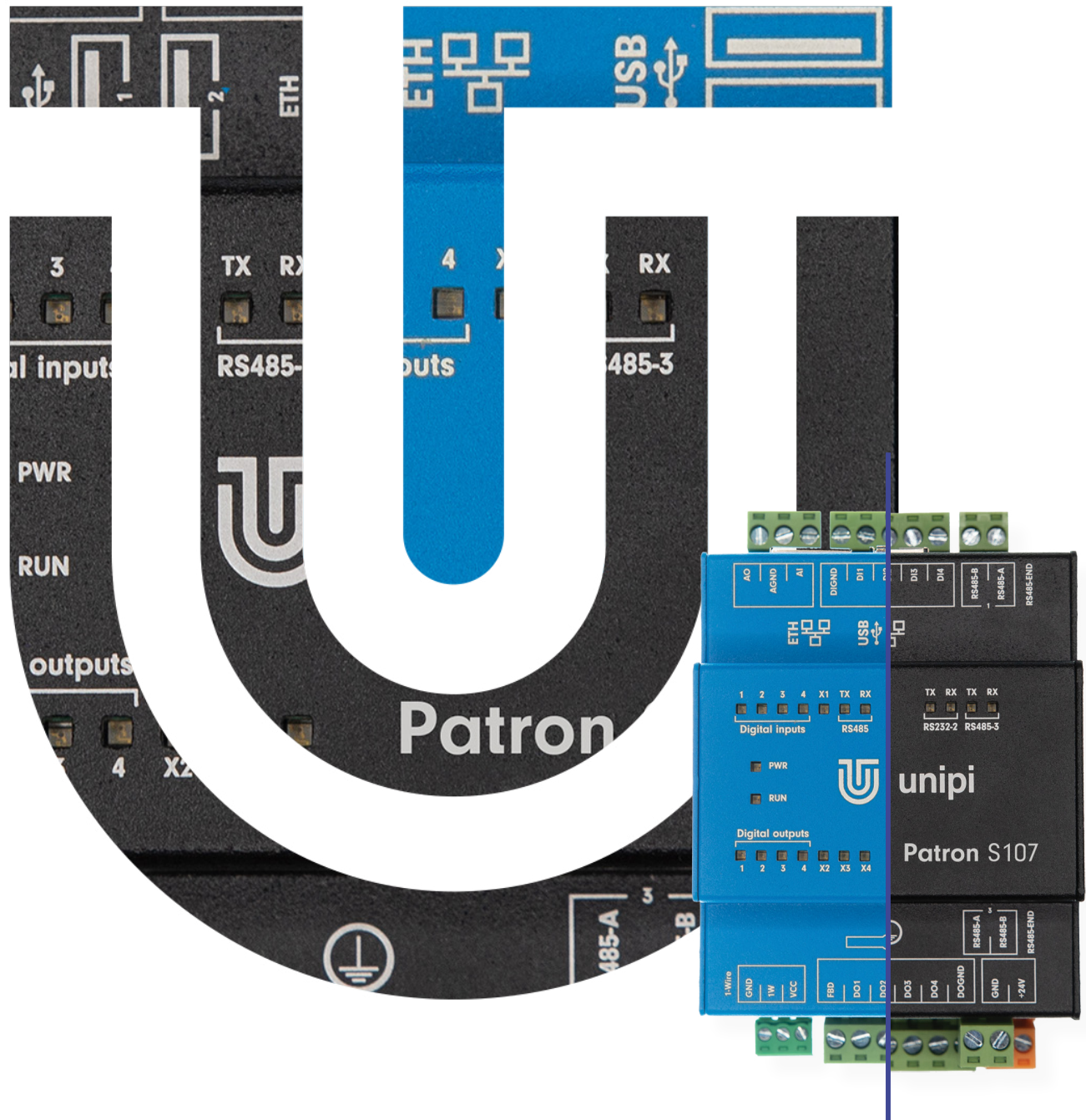
Automation

HVAC

Remote management

SCADA

Monitoring



Product lines comparison

Patron / Neuron / Axon

UNIPI PATRON



UNIPI NEURON



UNIPI AXON



Computing module

Computing module type	NXP i.MX 8M Mini	Raspberry Pi 3 Model B+ Raspberry Pi 4 Model B	Industrial computer
CPU	Quad-core, max. 1.8 GHz	RPi 3: Quad-core, 1.4 GHz RPi 4: Quad-core, 1.5 GHz	Quad-core Allwinner-H5 (ARM), 1.2 GHz
RAM	1 GB	Raspberry Pi 3: 1 GB Raspberry Pi 4: Selectable capacity (2/4/8 GB)	1 GB
Internal memory	Onboard 8GB eMMC memory	microSD memory card	Onboard 8GB eMMC memory

Inputs and outputs

Digital inputs	✓	✓	✓
Digital outputs	✓	✓	✓
Relay outputs	✓	✓	✓
Analog inputs	✓	✓	✓
Analog outputs	✓	✓	✓

Communication interfaces

RS485	✓	✓	✓
RS232	✓	✗	✓
1-Wire	✓	✓	✓
Ethernet	100 Mbit	RPi 3 (300 Mbps), RPi 4 (1 Gbit)	1 Gbit
USB	2× USB 2.0	Raspberry Pi 3: 4× USB 2.0 Raspberry Pi 4: 2× USB 2.0 + 2× USB 3.0	2× USB 2.0

Software

Open source	Yes, powered by Linux OS	Yes, powered by Linux OS	Yes, powered by Linux OS
Mervis	Preinstalled, licence request included in the package	Licence request included in the package	Preinstalled, licence request included in the package
API	EVOK, Modbus TCP, SysFS	EVOK, Modbus TCP, SysFS	EVOK, Modbus TCP, SysFS

Other features

Dimensions	Type S: 70×90×60 mm Type M: 140×90×60 mm Type L: 210×90×60 mm	Type S: 70×90×60 mm Type M: 140×90×60 mm Type L: 210×90×60 mm	Type S: 70×90×60 mm Type M: 140×90×60 mm Type L: 210×90×60 mm
DIN rail mount (35mm)	✓	✓	✓
Aluminium chassis (IP20)	✓	✓	✓
Warranty duration	4 years	2 years	2 years
Special models	LTE module (S167, M267, M567)	GPRS/GSM module (S103-G)	LTE module (M265, M565)
Customization options	✓	✓	✓
Recommended use	Automation projects, industrial automation, HVAC, control and monitoring, remote management, SCADA, sensorics, smart home...	Automation projects, HVAC, control, monitoring, remote management, SCADA, sensorics, smart home...	Automation projects, industrial automation, HVAC, control and monitoring, remote management, SCADA, sensorics, smart home...

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