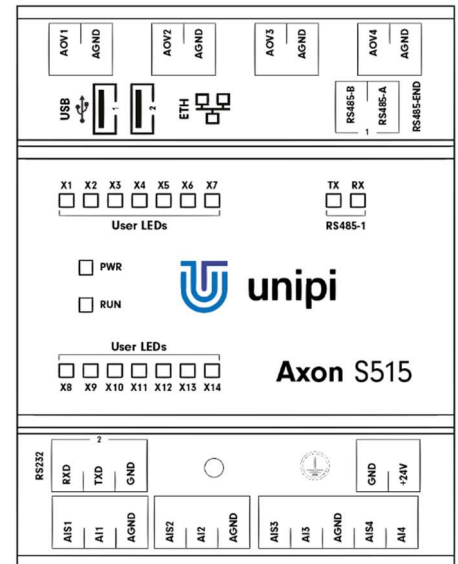


# UniPi Axon S515

Model	DI	DO	RO	AI	AO	Communication	CPU	RAM	eMMC	Other features
S515	-	-	-	4	4	1× RS485 1× RS232 1× 1Gbit Ethernet	4× 1.2 GHz	1 GB	8 GB	WiFi Bluetooth

## Basic features

- OS Linux
- Power supply 24 V DC
- Real-time clock (RTC) with backup up to 7 days
- 1Gb Ethernet
- USB for connecting other devices
- RS485 & RS232 serial interfaces for connection of extension or communication modules
- Watchdog function for monitoring of the control system
- Save and restore settings and fail-safe state of outputs to NVRAM and reload at startup
- Wide array of software platforms
  - PLC platforms for easy control implementation
    - Mervis
    - REX
  - Opensource platforms for easy implementation of customer solutions
    - SysFS
    - Modbus TCP
    - Modern HTTP interface (WebSocket, REST, ...)
- User-configurable LEDs
- Ready for wireless technology implementation – Lora, Zigbee, IQRf, Sigfox, EnOcean, GSM, LTE...
- In-built webserver for user application display
- Compact dimensions, easy installation to a DIN rail



## UniPi Axon S515

### Communication

<b>Ethernet</b>	1× 1Gbit Ethernet
<b>Serial/bus channels</b>	1× RS485, 1× RS232
<b>Transmission speed RS485</b>	50 baud .. 3 Mbaud
<b>Galvanic isolation RS485</b>	Yes
<b>Transmission speed RS232</b>	50 baud .. 3 Mbaud
<b>Galvanic isolation RS232</b>	No

### Analog inputs

<b>Nr. of inputs × groups</b>	4 × 1
<b>Common connector</b>	AGND
<b>Available functions</b>	0 - 10 V 0 - 20 mA 0 - 1960 Ω 0 - 100 kΩ
<b>Galvanic isolation</b>	Yes
<b>Resolution</b>	24 bits - R 16 bits - U, I
<b>Conversion speed</b>	400 ms - R 60μs - U, I

### Analog outputs

<b>Nr. of out. × groups</b>	4 × 1
<b>Common connector</b>	AGND
<b>Available functions</b>	0 - 10 V
<b>Galvanic isolation</b>	Yes
<b>Resolution</b>	12 bits
<b>Conversion speed</b>	300 μs

### Dimensions and weight

<b>Dimensions</b>	72 × 90 × 59 mm
<b>Weight</b>	173 g

### Power supply

<b>Rated voltage - SELV</b>	24 V DC
<b>Voltage tolerance</b>	-15% .. +25% 20,4 .. 30 V DC
<b>Power consumption</b>	Typ. 3,5 W Max. 12,5W
<b>Internal protection</b>	Yes

### Installation and operating conditions

<b>Operating temperature</b>	0 °C .. + 55 °C
<b>Storing temperature</b>	-25 °C .. +70 °C
<b>Dielectrical strength</b>	According to EN 60950
<b>Degree of protection IP</b>	IP20
<b>Operation position</b>	Horizontal
<b>Installation</b>	On 35mm DIN rail into distribution box
<b>Connection</b>	Pluggable terminal blocks
<b>Wire gauge</b>	Max. 2,5 mm <sup>2</sup>

### Standard compliance

<b>ČSN EN 6060730-1</b>
<b>ČSN EN 6095-1 ed. 2</b>
<b>ČSN EN 61000-6-3 ed. 2</b>
<b>ČSN EN 55014-1 ed. 3</b>
<b>ČSN EN 55022 ed. 3</b>
<b>2006/95/EC, 2004/108/ES, 2014/35/EU, 2014/30/EC</b>

