

Data sheet:

rule.box USB



Article no.: 53920

EUR 598.00*Net price for
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Monitor and control using Node-RED

Realize automation tasks with the pre-installed graphical development tool Node-RED. Determine the data flow between input, output and processing nodes by dragging connections in the browser-based editor. The USB interface of the rule.box lets you connect HID devices, USB serial converters and storage media. The linked data are then available in your application via Node-RED. Using pre-installed nodes you can read and control Web-I/Os, Web Thermometers and Com-Servers made by Wiesemann & Theis. The wide range of available pre-installed nodes enables both expansion of the processing functions and linking devices from other manufacturers. The rule.box processes the flows reliably and using little power. Integration of non-public nodes is also possible on request.

Properties

Interfaces:

- 1 x network
- 1 x USB

Management:

- **Configuration**
 - Startup using WuTility (three clicks and you're done)
 - Web-based management
- **Application**
 - Create automation flows using Node-RED
 - Display on Node-RED dashboard
 - Data storage via file system, MariaDB and SQLite

Power supply:

- **External power**
 - Screw terminal
- **Power over Ethernet (PoE)**
 - Phantom power using data pairs
 - Power over unused wire pairs
- **Buffer capacitors**
 - controlled shutdown when disconnecting from the power supply

Standards & more

- **Conforms to standards both in office and industrial environments:**
 - High noise resistance for industrial environments
 - Low noise emission for residential and business areas
- **5 year guarantee**

♥ Wish for something!
Your suggestions for improvement and additions

Technical data

Connections and displays:

Network: 1 x 100/1000BaseT Autosensing/Auto-MDIX, RJ45
USB: 1 x USB 2.0
Supply voltage: Power over Ethernet (PoE) or
24 ... 48V DC (+/-10%) per screw terminal
Supply connection: Plug-in screw terminal
Current consumption: PoE Class 2 (3.84 ... 6.49W) and
typ. 140mA @ 24V DC with external supply
Indicators: LEDs for System, Error, Network and USB status

Hard- and software

Processor and memory: Marvell 88F6820
Flash: 4GB (eMMC)
RAM: 1 GB (DDR3)
Installed software: Node-RED: v1.3.5
MariaDB: v10.2.29
SQLite: v3.29.0

Housing and other data:

Enclosure: Plastic housing with integrated DIN rail mount
105 x 22 x 75mm (L x W x H)
Weight: approx. 120g
Storage temperature: -40 ... +70°C
Operating temperature: 0 ... 60°C
Permissible relative humidity: 0 ... 95% relative humidity, non-condensing
Scope of delivery: rule.box USB
Quick start manual

Accessories

*Net unit price for
commercial users

Power supplies

Plug-in power supply, 24V / 500mA DC with Euro plug	11021	21.00€	
Power supply for DIN rail, 24V / 630mA DC (merchandise, 2-year manufacturer's guarantee)	11080	33.00€	

Mechanical Accessories

Mounting bracket for wall mounting	58812	11.20€	
19" DIN rail	58813	21.00€	

Software

WuTility	00104	free	
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* Our offering is intended only for commercial users. We will be happy to refer private end customers to trading partners through whom our products can be purchased.



We are available to you in person:

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