W&T connects
Interfaces for TCP/IP, Ethernet, RS-232, RS-485, USB, 20mA,
glass and plastic fiber optic cable, http, SNMP, OPC, Modbus TCP, I/O digital, I/O analog, ISA, PCI

W&T
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Data sheet:

MQTT.box

Article no.: 55990

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MQTT broker on the DIN rail

The MQTT.box is a high quality Mosquitto MQTT broker for DIN rail mounting. It enables communication between network-capable automation components using MQTT protocol. Thanks to the second network interface data can also be made available for an additional network segment without allowing access from one network to the other.

The user management functionality lets devices located in the network to be authenticated with their own access data. With the additional configuration of an Access Control List (ACL) each user can be given "topic"-specific read and write authorization.

Properties

Interfaces:

- **2 x network**

Management and connectivity:

- **Configuration**
  - Startup using WuTility (three clicks and you're done)
  - Web-based management

- **Application**
  - MQTT broker for the DIN rail
  - User Management
  - Access control via ACL (Access Control List)

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:	2 x 100/1000BaseT Autosensing/Auto-MDIX, RJ45
Galvanic isolation:	RJ45 network connection min. 1500 V
Supply voltage:	Power over Ethernet (PoE) or

Supply connection:	24 ... 48V DC (+/-10%) per screw terminal 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 and Network Status

Hard- and software

Processor and memory:	Marvell 88F6820 Flash: 4GB (eMMC) RAM: 1 GB (DDR3)
Operating system:	BusyBox: v1.31.1 Kernel: v5.4.44
MQTT broker:	Mosquitto: v1.6.9

Housing and other data:

Housing:	Plastic housing with integrated DIN rail mount 105 x 22 x 75mm (L x W x H)
Weight:	approx. 100g
Storage temperature:	-40 ... +70°C
Operating temperature:	0 ... 60°C
Permissible relative humidity:	0 ... 95% relative humidity, non-condensing
Scope of delivery:	MQTT.box Quick start manual

00104   free ⬇

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