



Operation <ul style="list-style-type: none"> Ambient Temperature Rel. Humidity 	0 ... +60 °C 10-90%
Store <ul style="list-style-type: none"> Ambient Temperature Rel. Humidity 	-40 ... 85°C 10-90%
Certificates	CE, FCC
Power Supply <ul style="list-style-type: none"> Input Voltage Max consumption 	DC 10-24V 20W
MTTF	> 200.000h
Housing <ul style="list-style-type: none"> Type Size Weigth 	Aluminium powder coated 108 x 83 x 24 mm 0,45 kg
Cooling	Passive, fanless
CPU	NXP iMX7 ARM Cortex A7 dual core 1,0 GHz und Coprozessor Cortex M4 200MHz

Storage <ul style="list-style-type: none"> • RAM • eMMC • SSD • uSD-Slot • SIM-Slot 	<p style="text-align: right;">1 GB 16 GB no yes yes</p>
Display	DVI, Resolution bis 1920 x 1080 Pixel
Audio	Yes, in / out
Interfaces <ul style="list-style-type: none"> • USB to RS232 Konsole • USB 2.0 • RS232 • RS485 • RS485 with DC24V supply • CAN-bus • LAN • LAN-FO • WLAN • Bluetooth 	<p style="text-align: right;">1 4 1 1 0 0 2 0 1 1</p>
Operating System	Linux Debian 32-bit
Systemsoftware <ul style="list-style-type: none"> • PLC • Modbus TCP Master • Modbus TCP Slave • Modbus RTU Master • Modbus RTU Slave • Webserver • Database Client • Database Server • HMI • Batch 	<p style="text-align: right;">yes, 2 cores yes yes yes yes yes no no no no</p>
Allowed Optionen <ul style="list-style-type: none"> • PLC Redundancy • OPC-UA Server • Messenger Threema 	<p style="text-align: right;">yes yes yes</p>
PLC core <ul style="list-style-type: none"> • Nr POU • Max Size POU • Nr FB-Instances • Nr database connections • IO-Channels • Min Task • Typ. Jitter 	<p style="text-align: right;">32.000 64 kByte 65.530 2 unlimited 10 ms +/- 1ms</p>

Webserver	Python WSGI HTTP Server
Database Server Type	MariaDB
Interfaces to Linux App's <ul style="list-style-type: none">• Modbus TCP• Shared Memory	yes yes
Linux Supported Program Languages <ul style="list-style-type: none">• Python• Free Pascal• ANSI C	yes yes yes