



<b>Operation</b> <ul style="list-style-type: none"> <li>Ambient Temperature</li> <li>Rel. Humidity</li> </ul>	0 ... +60 °C 10-90%
<b>Store</b> <ul style="list-style-type: none"> <li>Ambient Temperature</li> <li>Rel. Humidity</li> </ul>	-40 ... 85°C 10-90%
<b>Certificates</b>	CE, FCC
<b>Power Supply</b> <ul style="list-style-type: none"> <li>Input Voltage</li> <li>Max consumption</li> </ul>	DC 10-24V 20W
<b>MTTF</b>	> 200.000h
<b>Housing</b> <ul style="list-style-type: none"> <li>Type</li> <li>Size</li> <li>Weighth</li> </ul>	Aluminium powder coated 108 x 83 x 64 mm 0,45 kg
<b>Cooling</b>	Passive, fanless
<b>CPU</b>	NXP iMX7 ARM Cortex A7 dual core 1,0 GHz und Coprozessor Cortex M4 200MHz

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

<ul style="list-style-type: none"><li>• <b>Min Task</b></li><li>• <b>Typ. Jitter</b></li></ul>	10 ms +/- 1ms
<b>Webserver</b>	Python WSGI HTTP Server
<b>Database Server Type</b>	MariaDB
<b>Interfaces to Linux App's</b> <ul style="list-style-type: none"><li>• <b>Modbus TCP</b></li><li>• <b>Shared Memory</b></li></ul>	yes yes
<b>Linux Supported Program Languages</b> <ul style="list-style-type: none"><li>• <b>Python</b></li><li>• <b>Free Pascal</b></li><li>• <b>ANSI C</b></li></ul>	yes yes yes