

+ 70 °C - 20 °C	RTC + BATTERY	Twist-Lock DC 10-24V	PoE DEVICE MODE	ARM A7 2C 1GHz	Cortex M4 200 MHz	HDMI 1x DVI
IEC 61131-3 2x PLC						MODBUS RTU MASTER + SLAVE
WSGI HTTP-Server						MODBUS TCP MASTER + SLAVE
WiFi 802.11 bgn	Bluetooth 4.1 BLE	RJ 45 2x LAN	Type A 4x USB 2.0	RJ 11 1x RS 485	micro-USB Console	IO-Header GPIO
BIXCS - 1311 Smart Automation Controller 110 x 25 x 85 mm			Aluminium Passive Cooling	Warranty 5 years	Lifecycle end 2033	

<b>Operation</b> <ul style="list-style-type: none"><li>Ambient Temperature</li><li>Rel. Humidity</li></ul>	-20 ... +70 °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>Weight</li></ul>	Aluminum powder coated 110 x 25 x 85 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>	1 GB 16 GB no yes yes
<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>	1 4 1 1 0 0 2 0 0 0
<b>Operating System</b>	Linux Debian 32-bit realtime
<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>	yes, 2 cores yes yes yes yes yes no no no no
<b>Allowed Optionen</b> <ul style="list-style-type: none"> <li>• PLC Redundancy</li> <li>• OPC-UA Server</li> </ul>	yes yes
<b>PLC core</b> <ul style="list-style-type: none"> <li>• Nr of POU</li> <li>• Max Size POU</li> <li>• Nr FB-Instances</li> </ul>	32.000 64 kByte 65.530

<ul style="list-style-type: none"><li>• <b>Nr database connections</b></li><li>• <b>IO-Channels</b></li><li>• <b>Min Task</b></li><li>• <b>Typ. Jitter</b></li></ul>	2 unlimited 10 ms +/- 1ms
<b>Webserver</b>	Python WSGI HTTP Server
<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