

 + 70 °C - 40 °C	 RTC + BATTERY	 Twist-Lock DC 10-24V	 PoE DEVICE MODE	 ARM A7 2C 1GHz	 Cortex M4 200 MHz	 HDMI 1x DVI
 WiFi 802.11 bgn	 IEC 61131-3 2x PLC				 Linux Debian 32-bit	 MODBUS RTU MASTER + SLAVE
 Bluetooth 4.1 BLE	 WSGI HTTP-Server				 OPC-UA Server	 MODBUS TCP MASTER + SLAVE
 RJ 45 2x LAN	 Type A 4x USB 2.0	 RJ 11 1x CAN-BUS	 M8 4x RS 485	 M8 4x PS-DC24V	 micro-USB Console	 IO-Header GPIO
BIXCS - 1342 Smart Automation Controller 110 x 65 x 95 mm			 Aluminium Passive Cooling	 Warranty 5 years	 Lifecycle end 2033	

Operation <ul style="list-style-type: none"> Ambient Temperature Rel. Humidity 	-40 ... +70 °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 Weight 	Aluminum powder coated 110 x 25 x 85 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 	1 GB 16 GB no yes yes
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 	1 4 1 0 4 1 2 0 1 1
Operating System	Linux Debian 32-bit realtime
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 	yes, 2 cores yes yes yes yes yes no no no no
Allowed Optionen <ul style="list-style-type: none"> • PLC Redundancy • OPC-UA Server 	yes yes
PLC core <ul style="list-style-type: none"> • Nr of POU • Max Size POU • Nr FB-Instances • Nr database connections 	32.000 64 kByte 65.530 2

<ul style="list-style-type: none">• IO-Channels• Min Task• Typ. Jitter	unlimited 10 ms +/- 1ms
Webserver	Python WSGI HTTP Server
Database	--
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• ANSI C	yes yes