BoX2 extreme SC

Rugged protocol converter/IIoT gateway/edge controller

Protocol conversion
Cloud connectivity
HMI and web server
Integrated CODESYS control
Local data base storage, alarm servers, data exchange, reporting, C# scripting
IP65, UL Type 1
-30 °C to +70 °C

Facts

General description

Part number	100-0981
Life cycle status	Active
Warranty	Up to 2 years

Features

Protocol conversion	Yes
Cloud connectivity	Yes
HMI web server	Yes
Integrated CODESYS control	Yes
Local data base storage	Yes
C# scripting	Yes
Alarm server	Yes

Certifications

General	CE, FCC, KCC
Hazardous	UL C1D2, ATEX (Zone2), ATEX (Zone22), IECEx (Zone2), IECEx (Zone22)
Marine	LR, ABS, BV, DNV GL
Safety	UL 61010-2-201

Mechanical

Mounting option	DIN rail/mounting plate/Vesa mount

Power

Input voltage	24VDC (18-32V DC)
Power consumption (max)	8W
Input fuse	4 AT

System

Hardware platform	BoX2 extreme
CPU	i.MX6Quad, Quad ARMCortex-A9 1.0GHz 1MBL2cache
RAM	2 GB
FLASH	2GB SSD(eMMC), 1.5GB free for application

Softcontrol

Codesys runtime version	3.5
Codesys EtherCAT	Yes
Codesys Modbus Ethernet	Yes
Codesys Modbus RTU	Yes
Non volatile variables	Yes

Serial communication

Number of serial ports	2 Port 8pin M12
Serial port 1	RS 232
Serial port 2	RS422/485
Serial port 3	RS 485

Ethernet communication

Number of Ethernet ports	2
Ethernet port 1	1x10/100 Base-T (4 pin M12)
Ethernet port 2	1x10/100 Base-T (4 pin M12)

Expansion interface

SD card	SD and SDHC
USB	2xUSB 2.0 500mA (8pin M12)

Environmental

Operating temperature	-30°C to +70°C
Storage temperature	-40°C to +80°C
Shock	40g, half-sine, 11ms according to IEC60068-2-27
Vibration	4g, according to IEC 60068-2-6, Test Fc
Sealing front	IP65, UL Type 1
Sealing back	IP65, UL Type 1
Humidity	5% – 95% non-condensed
Altitude (max)	< 3000m

People & Technology. Connected.

We are a people company. Our experienced, skilled and passionate people empower you to meet your challenges through best-in-class, user-friendly solutions. We are a technology company. We help you optimize processes through our software, hardware and services, and through our support. Connecting people and technologies gives you the means to accomplish your goals and ambitions, and gain a competitive edge in today's digitalized world.

Visiting address HQ: Stora Varvsgatan 13a

SE - 211 75 Malmoe, SWEDEN

+46 40 35 86 00 (tel:+46 40 35 86 00)

info@beijerelectronics.com (mailto:info@beijerelectronics.com)