



BoX2 pro

High-performance protocol converter/IloT gateway/edge controller

Protocol conversion

Cloud connectivity

HMI and web server

Local data base storage, alarm servers, data exchange, reporting, C# scripting

UL/cUL Class I Division 2

Facts

General description

Part number	100-0974
Life cycle status	Active
Warranty	Up to 2 years

Features

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

Certifications

General	CE, FCC, KCC
Hazardous	UL C1D2
Marine	LR, ABS, BV, DNV GL
Safety	UL 61010-2-201

Mechanical

	DIN rail/mounting plate
--	-------------------------

Power

Input voltage	24VDC (18-32V DC)
Power consumption (max)	5W
Input fuse	3,14 AT

Hardware platform	BoX2
CPU	i.MX6DualLite Dual Cortex-A9 1.0GHz 512kBL2cache
RAM	1 GB
FLASH	2GB SSD(eMMC), 1.5GB free for application

Serial communication

Number of serial ports	1 Port 9pin DSUB
Serial port 1	RS 232 (RTS/CTS)
Serial port 2	RS422/485
Serial port 3	RS 485

Ethernet communication

Number of Ethernet ports	2
Ethernet port 1	1x10/100 Base-T (shielded RJ45)
Ethernet port 2	1x10/100 Base-T (shielded RJ45)

Expansion interface

SD card	SD and SDHC
USB	1xUSB 2.0 500mA

Environmental

Operating temperature	-10°C to +60°C
Storage temperature	-20°C to +70°C
Shock	15g, half-sine, 11ms according to IEC60068-2-27
Vibration	1g, according to IEC 60068-2-6, Test Fc
Sealing front	IP20
Sealing back	IP20
Humidity	5% – 85% non-condensed
Altitude (max)	< 3000m