



BoX2 extreme

Rugged 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

IP65, UL Type 1

-30 °C to +70 °C

Facts

General description

Part number	100-0975
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, 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
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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

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

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