



Facts

General description

| | |
|-------------------|----------|
| Part number | 100-0974 |
| Life cycle status | Active |
| Warranty | 2 year |

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 | ULC1D2 |
| 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 |

Drivers

| |
|---|
| ABB - COMLI Master (5.7.2) |
| ABB - COMLI Slave (4.11.0) |
| ABB - TotalFlow (5.2.1) |
| Allen Bradley - ControlLogix Ethernet IP (4.24.1) |
| Allen Bradley - DF1 (5.8.0) |
| Allen Bradley - DH485 (4.6.2) |
| Allen Bradley - MicroLogix Ethernet (5.6.0) |
| Allen Bradley - SLC5/PLC5 Ethernet (5.4.0) |
| Altus - Alnet I (5.8.0) |
| Animatics - SmartMotor (5.2.1) |

More drivers ▼

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

| | |
|-------|--|
| 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 |

| |
|---|
| Lenze - LECOM A/B (5.6.0) |
| LS Industrial System - Glofa (5.3.0) |
| LS Industrial System - Master K (5.4.0) |
| Matsushita - MEWTOCOL-COM (5.9.2) |
| Mitsubishi Electric - Alpha2 (5.7.0) |
| Mitsubishi Electric - A-series (C24) (5.6.0) |
| Mitsubishi Electric - A-series (CPU) (5.10.0) |
| Mitsubishi Electric - A-series (E71) (5.4.0) |
| Mitsubishi Electric - Freqrol FR-A PLC (5.8.2) |
| Mitsubishi Electric - FX Series ADP/RD (5.10.0) |

