



IPC/USB485

The IPC/USB485 Series brings additional RS485 or RS422 channels to the Syslogic embedded products.

According to the customers needs, isolated digital inputs and outputs can be used as a standalone unit or directly build in an embedded Syslogic system. Together this offers a flexible, low power I/O extension at lowest cost.

- **Extended temperature range**
- **24/7 continuous operation**
- **RS485 or RS422**
- **USB to host**
- **Galv. isolation**



Product Highlights

Low Power
Fan less design
Industrial design
Operating temperature -40°C to +85°C
Galvanic Isolation
Long term availability

Product Feature

RS485
RS422
USB data interface
Compact dimensions
DSUB9 connection

Markets / Applications

Industrial automation
Railway industry
Transportation and vehicle construction
PLC replacement
Cleantech
Maritime

Host interface		
USB 2.0 interface (to host computer) ¹	Molex 504050-0491	Molex 504050-0491
Process Interface		
RS485 Half-Duplex	DSUB9	DSUB9
RS485 or RS422 Full-Duplex		
Termination (on/off)	120 Ohm	120 Ohm
Datarate	up to 3 MBit/s	up to 3 MBit/s
Galvanic isolation (process to chasis)	1000Vrms	1000Vrms
Galvanic isolation (process to Logic)	1500Vrms	1500Vrms
configuratin Options Interfaces		
DIP switch on board	Full- / Half Duplex mode RS422/485 mode Termination RX/TX, data line	Full- / Half Duplex mode RS422/485 mode Termination RX/TX, data line
Software programming option	•	•
Technical Data		
Dimensions W x D x H [mm]	45 x 32 x 7	45 x 32 x 7
Net weight [gram]	42	42
Input voltage 5VDC non-isolated (over USB)	•	•
Power consumption max. in Watt @ 5V	0.6	0.6
Software support		
Linux Kernel 2.3.x an higher	•	•
Windows Embedded Standard 7 & 8	•	•
Windows 10 IoT	•	•
Environmental Conditions		
Operating temperature (ambient) -40°C to +85°C	•	•
Storage temperature -40°C to +90°C	•	•
Conformal coating ²		•
Shock: designed to meet EN60068-2-27	•	•
Vibration: designed to meet EN60068-2-6	•	•
EMC according to EN-55032/55024	•	•
MTBF ~200 000h @ 25°C (22.8 years)	•	•
Accessories		
USB to Host cable (Syslogic IPC/COMPACT8 Series)	CAB/DM4PL4-15B	CAB/DM4PL4-15B

¹ on internal connector | Mating plug type: Molex Pico-Lock 504051-0401 with AWG24 contacts 504052-0098

² Please contact factory for minimum order quantities

Product specifications subject to change without notice. | All data is for information purposes only and not guaranteed for legal purposes. Information in this data sheet has been carefully checked and is believed to be accurate. However, no responsibility is assumed for inaccuracies. Please refer to the user documentation for additional product specification.