


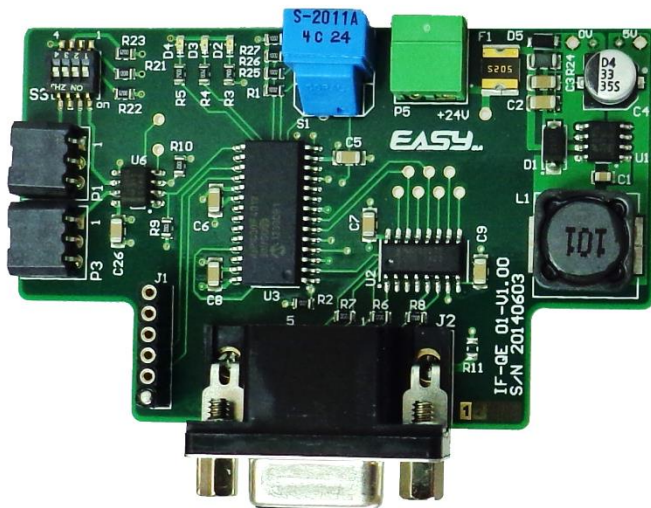


-  your idea...
-  our solutions...
-  your success...

EASY_{SA}



PC interface for IF-QE incremental encoder



The PC interface for **IF-QE** incremental encoder developed and manufactured by **EASYsa**, is the ideal solution for the acquisition of incremental measuring positions.

IF-QE is equipped with a 3 differential lines input interface for the acquisition in real-time of measurement system data and of an RS485 2-wire output interface with Modbus RTU protocol for the reading of the position of measuring system and for the parameter setting.




The high-technology **IF-QE** connect the using and service features in a minimum volume to become the ideal universal solution for the reading of measurements for positions, speed or accelerations by a PC.

IF-QE, the best answer to the needs of new technologies:

- Interface for encoder input with 3 differential lines
- Interface for RS485 Modbus output, 4 bits addressing
- Position available on 32 bits
- Indication of the operating status, communications and homing
- Homing on the fly, programmable
- Several modes of functioning, counting and monitoring

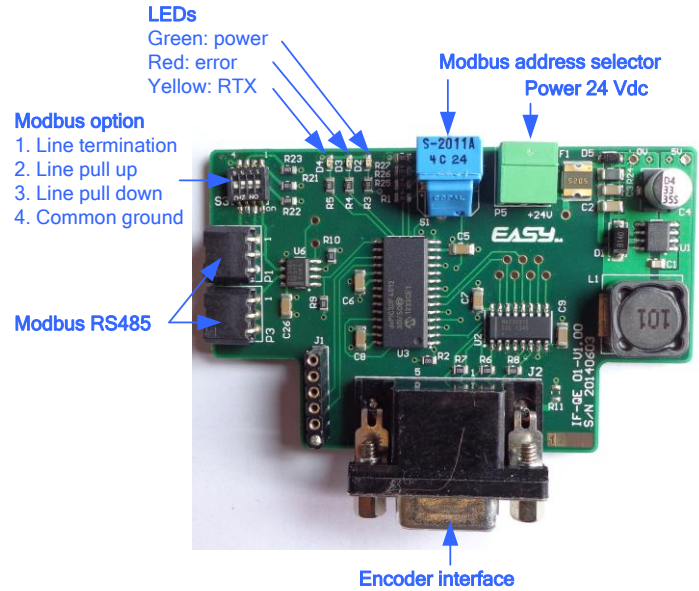
and many advantages...

- **complete solution, minimum footprint**
- **fixing by the Sub-D connector**
- **dimensions 80 x 60 mm**
- **supply between 12 and 32 VDC**
- **consumption lower as 1 W**
- **encoder connected by single connector also including power supply**
- **2 RS485 connectors to allow the linking of several cards**
- **switches for the addressing and Modbus settings**
- **control lights on the card**

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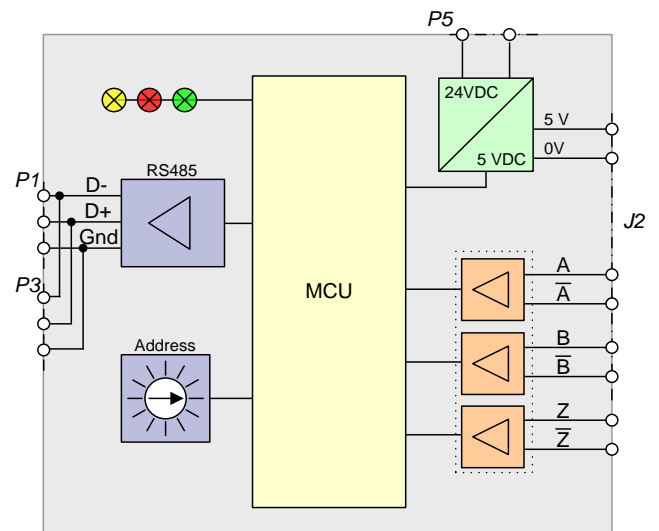
Overall view



Technical data

Counter	32 bits
Specific functions	Programmable offset, detection of encoder mistaking
Supply voltage	12..32V DC, $\pm 10\%$
Power input	< 1W (without encoder)
Encoder interface	3 differential lines
Supply voltage	5 VDC
Power max	400 mA
Serial control interface	RS485 half duplex
Protocol	Modbus RTU
Data transfer	9600..115200 baud
Parity	without, even, odd
Stop	1 or 2 bits
Addressing	1 rotary switch, 4 bits
Fixing	fixing by sub-D connector
Dimensions LxHxP	80 x 60 x 17.5 mm
Operating temperature	-20°C to 60°C

Block diagram



Do not hesitate to express your interest and needs and we gladly prepare an individual offer