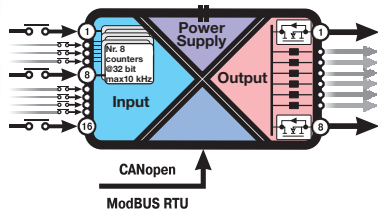


# ZC-16DI-8DO

## 16 CH DIGITAL INPUT - 8 CH DIGITAL OUTPUT / CANOPEN - MODBUS MODULE



ZC-16DI-8DO is an 16 CH input / 8 CH output mixed module. The inputs have 32-bit counters / 10 kHz max frequency, mosfet Outputs with shared negative pole. The communication protocols are CANopen or ModBUS RTU (protocol selectable through dip-switch). A 3-way galvanic isolation among Power supply // input // RS485 circuits assures the integrity of your datas



### TECHNICAL SPECIFICATIONS

#### General Data

Power supply	10..40 Vdc; 19..28 Vac
Power consumption	2,5 W
Status indicator	Digital outputs, communication
Galvanic isolation	1,5 kVac (3 way)
Response time	~ 1 ms
Operating temperature	-10..+65 °C
Dimensions (w x h x d)	35 x 100 x 112 mm
Enclosure, weight, colour	PBT, 170 g, black
Connections	Removable screw terminals IDC10 connector for Z-PC-DIN backplane RS232, front jack, speed 2400 Baud
Protection degree	IP20
Configuration	Dip Switches (baud rate, Node ID) EDS file
Protocols supported	CAN bus standard (2.0A, 2.0B) CANopen (profile CiA 401 v.2.01) ModBUS RTU (through RS232)
CANopen max speed	1 Mbps
Special functions	CANopen/ModBUS protocol switching
Conformity	CE, EN 61000-6-4, EN 64000-6-2, EN 61010-1 CAN 2.0A, 2.0B CiA 401 v.2.01

#### Input Data

Nr channels	16
Polarity	EN 61131-2 type 2, synq (pnp)
Counters	N.8 @ 32 bit, Max freq. 10 KHz Increment individual configurable, reset, preset Overflow indication
Vmax	30 V
Minimum pulse width	250 µs
ON/OFF delay	< 3ms
TPDO	< 1ms

#### Output Data

Nr channels	8
Type	Mosfet (open source) with shared common
Power supply Voltage	5..30Vdc
Maximum Current	0.5 A (connection from terminals) 25 mA (connection from connectors)
ON/OFF delay	< 1ms
RPDO	< 1,25ms

### APPLICATION NOTE

