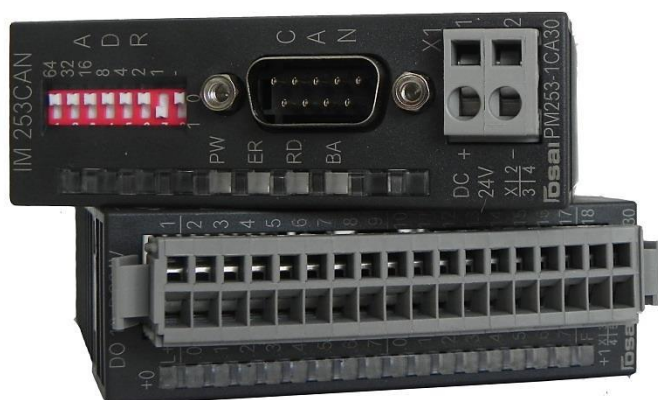




OPENrio V-200 - Bus coupler and modules

OPENrio V-200 is a compact and modular remote I/O product line to control sensors and actuators through a CANopen fieldbus. The structure of each RIO block guarantees a high level of flexibility, reducing the installation and maintenance costs: in fact, in case of a malfunction, each block can be easily replaced without disconnecting the cables. Moreover, the status of all Inputs and Outputs is indicated by LED and the connection of external cables is done by cage clamps.



Each CANopen bus coupler handles up to 8 modules. The individual module can interface digital or analogue signals. The assembly is extremely simple. The RIO system modules are snapped on the bus connector which is securely fastened on a 35 mm standard rail.

A wide range of modules is available for acquisition of digital and analog signals and for the connection of sensors and actuators.

The CANopen bus coupler provides the 24Vdc to the electronic of the peripheral modules that are connected through a bus connector.

Technical Data

Bus Coupler CANopen	8SMPM253-1CA30
Power supply (rated value)	24VDC
Reverse polarity protection	Yes
Transmission speed, min.	10Kbit/s
Transmission speed, max.	1Mbit/s

Analog Modules	8SMPM231-1BD30	8SMPM234-1BD50
Number of I/O	4 Inp	2 Inp + 2 Out
Cable length shielded	200m	200m
Input voltage ranges	-10V....+10V	+1V.....+5V 0V.....+10V -10V....+10V
Input current ranges		+4mA.....+20mA 0mA.....+20mA -20mA....+20mA
Output voltage ranges		-10V....+10V +1V.....+5V 0V.....+10V
Output current ranges		+4mA.....+20mA 0mA.....+20mA -20mA....+20mA
Resolution	12bit	16bit Inp - 12bit Out

Digital Input Modules	8SMPM221-1BF30	8SMPM221-1BH30	8SMPM223-1BF00
Number of I/O	8 Inp 24Vdc	16 Inp 24Vdc	Config 8 Inp / 8 Out 24Vdc
Cable length shielded	1000m		
Cable length unshielded	600m		
Output current"	-	-	1A

Digital Output Modules	8SMPM222-1BF00	8SMPM222-1BH10	8SMPM222-1BH30
Number of I/O	8 Out 24Vdc	16 Out 24Vdc	16 Out 24Vdc
Cable length shielded	1000m		
Cable length unshielded	600m		
Output current for signal "1"	1A	1A	0.5A
Total current for group	8A	10A	8A

All the modules	
Dimensions (W x H x D)	25.4 x 76 x 88 mm
Operating temperature	0°C +60°C
Relative humidity	5% to 95 % no condensation

