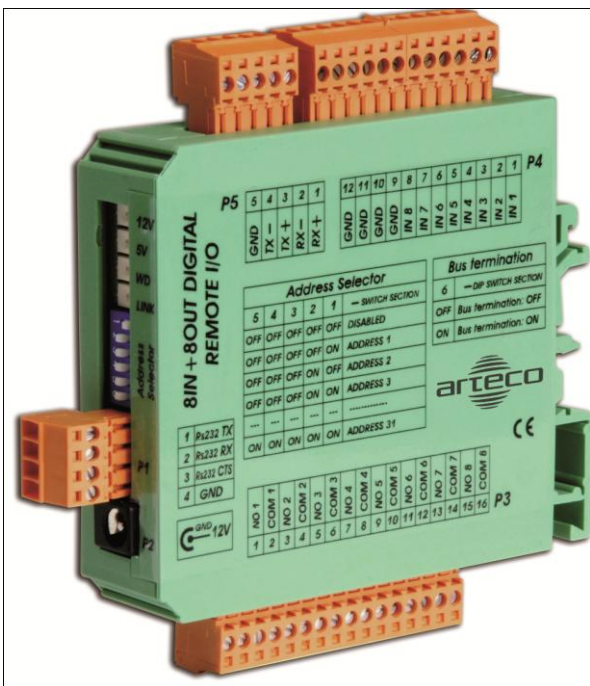


arteco

motion control technologies

Serial I/O Module

I/O Module with 8 inputs and 8 outputs, using RS232 serial interface and generating a standard RS422 bus



This module is suitable for industrial and domestic applications where the use of distributed I/O allows time and money saving. The Serial I/O Module is available as : 8 digital inputs 0-12 VDC or 0-24 VDC and 8 relay outputs providing normally open contacts or 8 digital PNP output 0-24VDC. Both 24VDC and 12VDC power supply are available. The first module can be connected to a serial RS232 port, then, the first module, generates a standard RS422 bus for the connection of other 30 modules making it possible to get a maximum of 248 digital input and 248 digital output.

Thanks to the provided SDK, the Serial I/O module can be implemented to any control system. The provided DLL allows the programmer to develop Visual Basic or Visual C++ programs to control the I/O module. In addition, a simple RS232 command set is available, so the developer can decide not to use the DLL.

The plastic case supports the mechanical connection to the standard DIN guide.

Mini PLC

The module can also be used as mini low cost PLC. It can be programmed by Arteco Motion Tech following the customer's requests. The delay time value starting from the change of the input to the change of the output is not greater 200 microseconds.

CHARACTERISTICS	DESCRIPTION	NOTES
Power supply requirements		
Power supply voltage	12 VDC \pm 5% OR 24 VDC \pm 5%	Provided by included power supply unit Vin: 100-240VAC 50/60HZ – 12VDC/24VDC
Absorption	200ma max	
Configuration		
Primary module RS232	8 digital input + 8 digital output + RS232/RS422 internal converter	It works as RS232/RS422 converter generating RS422 bus for the connection to other modules. The function of primary module can be set by an internal jumper.
Secondary module RS485	Connected to the generated RS485 bus	The function of secondary module can be set by an internal jumper
Input and output		
Digital user input	8 optoisolated digital input	0 – 12VDC OR 0 – 24VDC
Digital user output	8 rele digital output OR PNP 0-24VDC	Relè: 1A max 30VDC , 0,5A max 250VAC PNP Out: 1 Amp/output Max
Development Tools		
Library	DLL and documentation	Code samples are provided to help the getting started step
Programmable languages	Programmable via Visual Basic, VC++	
Other		
Connection to the field	Terminal block	
Mounting	On standard DIN guide	
Certification	CE	Self certified

ARTECO MOTION TECH reserves the right to change the physical hardware and or software specifications without notice

Version 20100203

