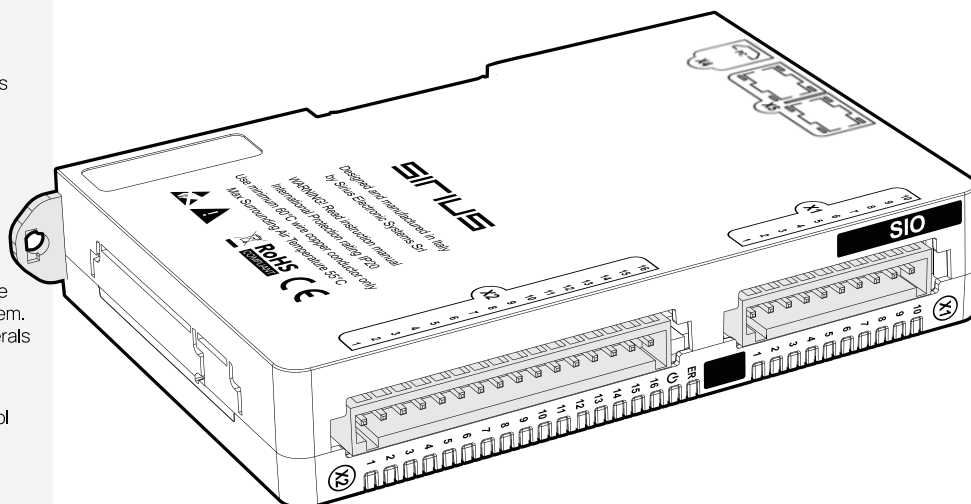


Features

- ✓ SIO means Sirius Input Output, this is a simple description of entire peripherals designed by Sirius for automation.
- ✓ SIO communicates with any industrial computer board or PLC through common RJ45 connectors. The communication bus is specific for the peripherals product line.
- ✓ Operates as a stand-alone device or communicate via advanced networking as part of real-time system. Best machine setup is done by pairing SIO peripherals to NEO or NEO+ Sirius PLC.
- ✓ Operates as I/O device under the DSP-401 protocol of the CANopen DS-301 application layer.
- ✓ To optimize I/O number and cost there are SIO21 expansion. Using embedded connector up to 10 expansions can be merge in a unique I/O peripherals system.



Tech Specs

	SIO 20-1	SIO 20-2	SIO 20-3	SIO 20-7	SIO 20-8	SIO 20-9
CAN Ports (Passthrough)	up to 2 optocoupled					
RS485 Ports (Passthrough)	up to 2 optocoupled					
Digital IN (24V, 2.5mA, 1kHz)	up to 22		up to 16			up to 8
H Speed Dig IN (24V, 800kHz)			up to 8			
Encoder IN (800kHz)		up to 4			up to 4 (or 3+2 latch)	
Digital OUT (24V, 700mA, PNP)			up to 16			up to 8
PWM OUT			NO			up to 8 (200mA)
Analog IN	NO	up to 8 (24 bit resolution) @ 0-10V/±10V/0-20mA		up to 6 (24 bit resolution) @ ±10V or up to 3 JK thermocouple		NO
Analog OUT	NO	up to 2 (12 bit resolution) @ ±10V or 0-20mA	NO	up to 2 (12 bit resolution) @ ±10V	up to 6 (12 bit resolution) @ ±10V	NO

	SIO 30-1	SIO 30-2	SIO 30-3	SIO 30-4
Ethercat Ports	1 Port IN and 1 Port OUT			
Digital IN (24V, 2.5mA, 1kHz)	up to 8	up to 16		up to 8
H Speed Dig IN (24V, 800kHz)			up to 8	
Encoder IN (800kHz)			up to 4 (or 3+2 latch)	
Digital OUT (24V, 700mA, PNP)	up to 8	up to 16		up to 8
Analog IN	up to 6 (12 bit resolution) @ 0-10V	up to 6 @ ±10V (24 bit resolution) or up to 3 JK thermocouple	up to 8 (12 bit resolution) @ 0-10V	NO
Analog OUT		up to 6 (12 bit resolution)		NO

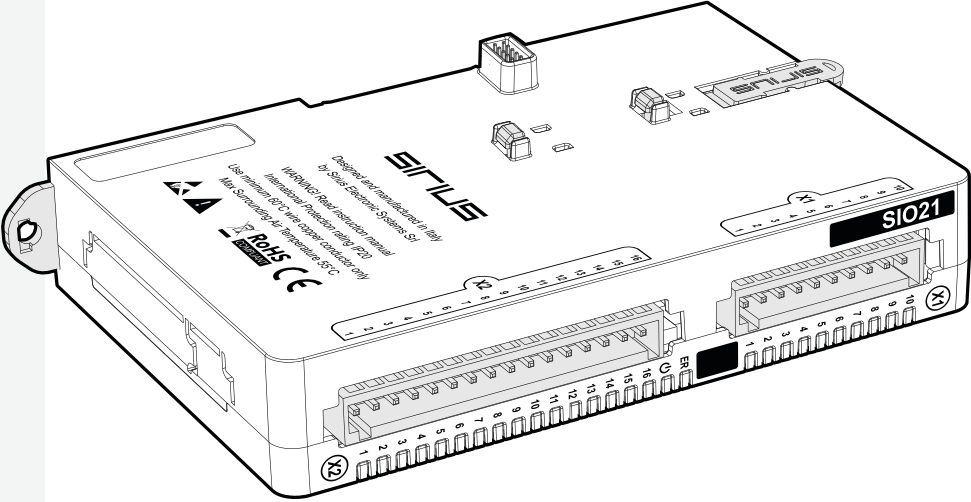
	SIO 40-1
Profinet Ports	1 Port IN and 1 Port OUT
Digital IN (24V, 2.5mA, 1kHz)	up to 8
Digital OUT (24V, 700mA, PNP)	up to 8

Common			
Logic Power supply	24Vdc ± 20% (500mA resettable fuse)	USB ports	1 USB 2.0 type B for configuration and Virtual COM
Reverse polarity	Logic circuit, diode	Humidity	0 to 95%, non condensing
Storage °C	-40 to +85 °C	Size (mm)	150 x 91 x 24.5, mounting with M3 screws or TS 35 DIN rail
Operating °C	0 to +45 °C	Weight (g)	150/160



Features

- ✓ SIO21 are developed to be connected with SIO20, SIO30 and SIO40 peripherals.
- ✓ I/O are reached from the SIO Header due by a optocoupled local SPI bus communication.
- ✓ Mounting in the same TS 35 DIN Rail like Header I/O, system can be customized and grow up in a useful and compact unique device.
- ✓ Output equipped with short-circuit protection, input with over-voltage protection.
- ✓ Encoder can be quadrature, step-dir and counter type.
- ✓ For evaluate entire system please contact us.



Tech Specs

	SIO 21-2	SIO 21-3	SIO 21-4	SIO 21-5
Digital IN (24V,2.5mA,1kHz)	up to 24	up to 8		up to 16
H Speed Dig IN (24V,800kHz)		NO		
Encoder IN (800kHz)		NO		
Digital OUT (24V,700mA,PNP)	up to 16	NO	up to 16	up to 8
H Speed Digital OUT		NO		
Relè	NO	up to 8 @5A 30VDC/230Ac, N.O.		NO

	SIO 21-6	SIO 21-7	SIO 21-8	SIO 21-9
Digital IN (24V,2.5mA,1kHz)	up to 16	NO	up to 8	up to 16
H Speed Dig IN (24V,800kHz)		up to 8		
Encoder IN (800kHz)		up to 4 (8 latch)		
Digital OUT (24V,700mA,PNP)	up to 16		up to 8	NO
H Speed Digital OUT		NO		

Common			
Logic Power supply	24Vdc ± 20%	Humidity	0 to 95%, non condensing
Reverse polarity	Logic circuit, diode	Size (mm)	150 x 91 x 24.5, mounting with M3 screws or TS 35 DIN rail
Storage °C	-40 to +85 °C	Weight (g)	140/160
Operating °C	0 to +55 °C		

