

EBIS-ADC-IO16

Description

The **EBIS-ADC-IO16** system of the *EBIS IoT product family* enables the capture and evaluation of analog voltages. In addition to the standard features of the *EBIS product series*, the **EBIS-ADC-IO16** unit has **16 analog voltage inputs**. Furthermore to the sensor data acquisition, the system provides a digital **PLC interface with 8 dig. inputs and 8 dig. outputs**, which enables the communication with a PLC and control of extensive automated processes.

Applications

- Electronic industry
- Automotive industry
- Machine tool industry
- Wind power plants
- Biogas plants

EBIS-ADC-IO16

8 x Digital Input / 8 x Digital Output
(25-pin. female Sub-D)

Status LEDs for Power Supply and IO

Solid aluminium desktop housing

(optional DIN rail adapter)

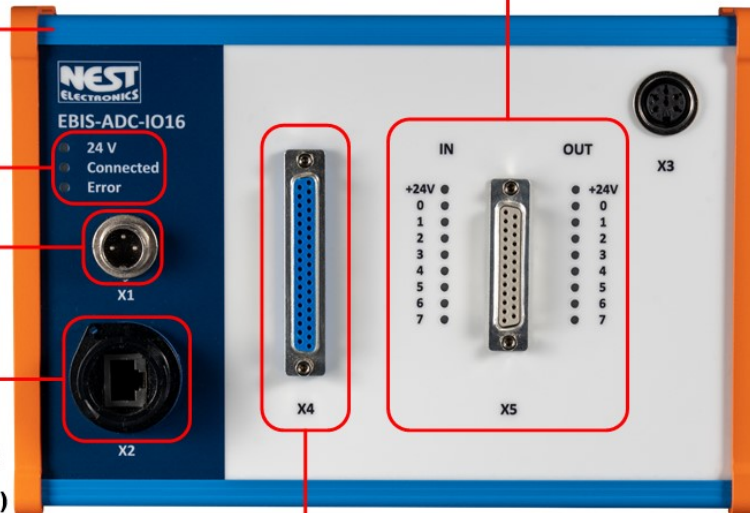
Status LEDs

24 V Power Supply

(3-pin. M16 circular male connector)

Ethernet

(Standard RJ45)



16 x analog voltage input (± 10 V)

(37-pin. female Sub-D)

General Specifications

Power supply	
Nominal voltage	24V DC
Voltage supply	18V - 30V DC
Connector (X1)	3-pin. M16 male connector
Ethernet	
IP-Address	192.168.0.17x (configurable)
Connector (X2)	Standard RJ45 connector (optional: IP68)
Housing	
Aluminium desktop housing	optional: DIN rail adapter
Dimensions (mm)	224 x 150 x 60
Communication interfaces	
TCP/IP	EBIS-Protocol
.NET library	
Web interface	Configuration, Firmware update, etc.
Cloud Support	MQTT, Azure, AWS
Safety features	
Status LEDs	Power supply, network status, error
Encryption protocol	TLS

Versions

Type	Description	Order number
EBIS-ADC-IO16	- 16 x Analog voltage input (16 Bit)	750

EBIS-ADC-IO16 Specifications

Analog Inputs	
Number of inputs	16 (Multiplexing)
Type	Single-Ended
Input voltage	± 10 V
Resolution	16-Bit
Overvoltage protection	70 V _{PP}
Digital Inputs/Outputs	
Number of inputs	8
Galvanic isolation	500 V _{AC}
Nominal voltage (V _{SUPPLY})	24 VDC
Power supply	11 V - 35 V
ESD	2,5 kV HBM JESD22-A114-B 1,5 kV CDM ESD STMS.3.1-1999
Informations: Digital interface IEC61131-2 Type 1, PLC interface, Status LEDs, external power supply needed (V _{SUPPLY} and GND)	
Number of outputs	8
Type	0,625 A High-Side Switch
Galvanic isolation	500 V _{AC}
Nominal voltage (V _{SUPPLY})	24 VDC
Power supply	11 V - 35 V
ESD	2 kV HBM JESD22-A114-B 1 kV CDM ESD STMS.3.1-1999
Informations: Protected against short to V _{SUPPLY} /overload/overvoltage, PLC interface, for all types of resistive, inductive and capacitive loads, Status LEDs, external power supply needed (V _{SUPPLY} and GND)	