

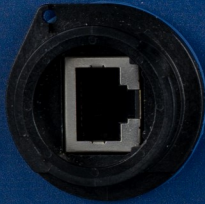
NEST
ELECTRONICS

EBIS-MUX10

- 24 V
- Connected
- Error



X1



X2



7

8



5

6



3

4



1

2



X3



10



9



EBIS-MUX10

Description

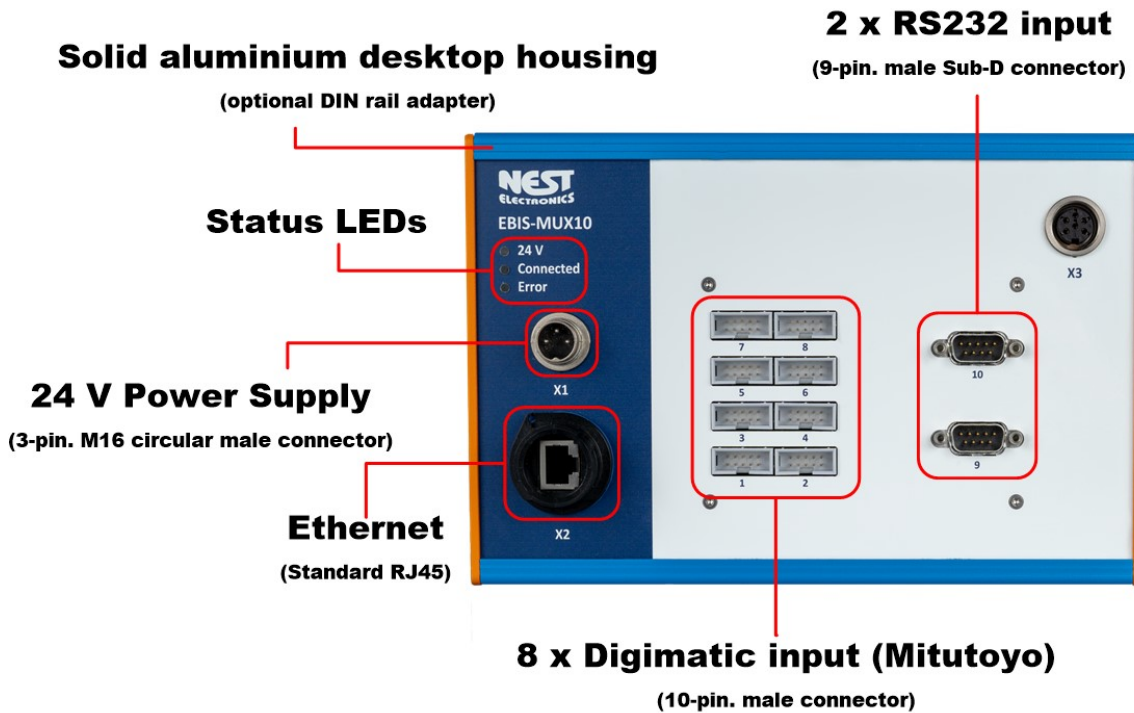
The **EBIS-MUX10** system of the *EBIS IoT product family* enables the connection and evaluation of digital measuring instruments. In addition to the standard features of the *EBIS product series*, the **EBIS-MUX10** unit has **8 Digimatic (Mitutoyo)** and **2 RS232 inputs**. Furthermore to the measuring instruments data acquisition, the system provides a **trigger input (X3)** (e.g. for footswitch). Due to the different configuration options, a wide range of different measuring instruments can be used and thus a wide variety of applications can be realized.

Applications

- Automotive industry
- Machine tool industry

NEST
ELECTRONICS

EBIS-MUX10



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-MUX10	- 8 x Digimatic (Mitutoyo) Input - 2 x RS232 Input	760

EBIS-MUX10 Specifications

RS232	
Connectors (9-10)	9-pin. Sub-D male connectors
Type	TIA/EIA-232-F and ITU v.28 Standard
Max. input frequency	Up to 1MBit/s
ESD	± 15 kV HBM ± 8 kV IEC61000-4-2 Contact Discharge ± 15 kV IEC61000-4-2 Air Gap Discharge
Digimatic	
Connectors (1-8)	10-pin. male header
Type	Digimatic Mitutoyo Standard
ESD	15 kV HBM 4 kV IEC61000-4-2 Contact Discharge 15 kV IEC61000-4-2 Air Gap Discharge