# AE2400

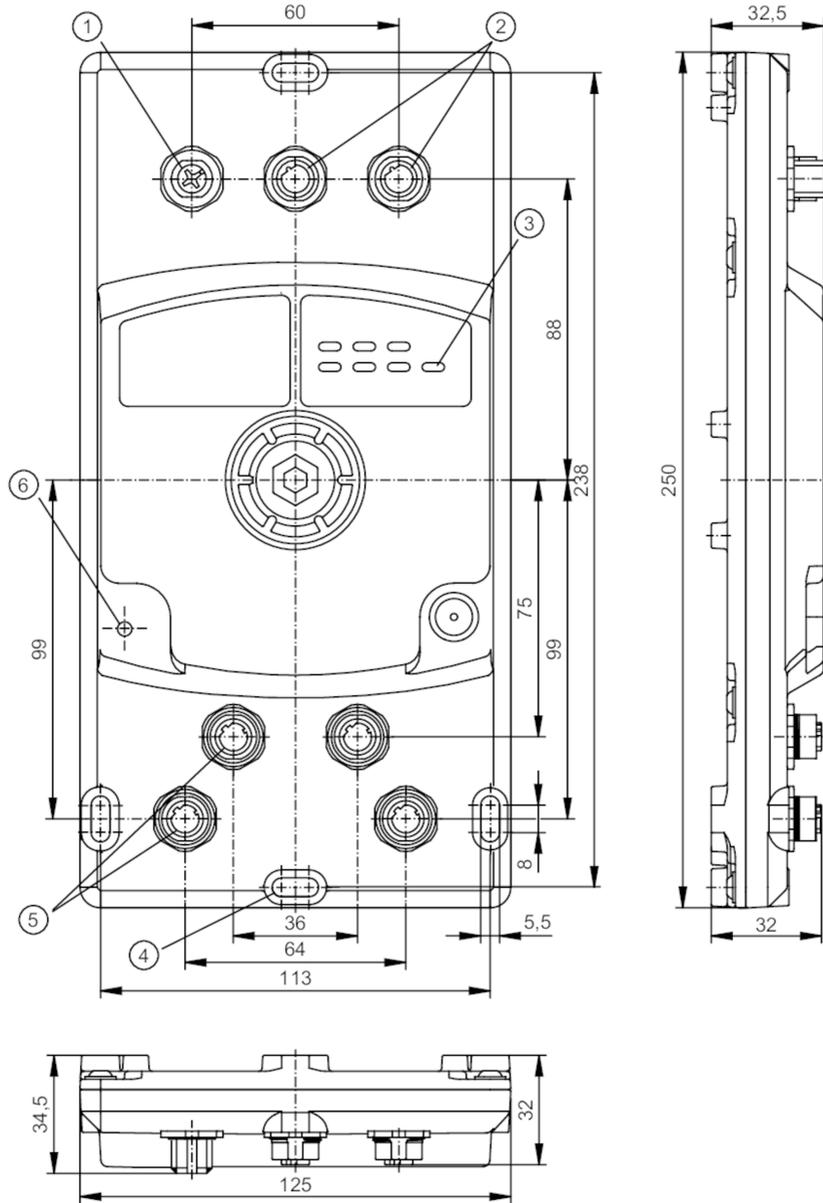## EdgeGateway for connecting the production environment to the IIoT platform moneo

**IIoT edgeGateway IP67**

an additional QCM100/QCM110 cloud subscription is required to use and operate the moneo Cloud



1  voltage supply
2  USB interface
3  LEDs
4  mounting hole
5  Ethernet interface
6  functional earth

| Product characteristics | |
|---|---|
| Communication interface | Ethernet; USB |
| Housing | rectangular |
| Dimensions                    [mm] | 250 x 125 x 32.5 |

# AE2400

## EdgeGateway for connecting the production environment to the IIoT platform moneo

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| Application | | |
|---|---|---|
| Application | | ideally suited for operation in harsh environments to collect data from industrial environments and to improve operational efficiency, productivity and safety; to increase machine availability, ensure process quality or optimise energy consumption in industrial applications |

| Electrical data | | |
|---|---|---|
| Operating voltage | [V] | 8...32 DC;  (to PELV) |
| Nominal voltage DC | [V] | 12 / 24 |
| Power consumption | [W] | 14;  (max. power for USB devices: 1,5 A / 5 V) |
| Reverse polarity protection | | yes |
| Overvoltage category | | II |

| Software / programming | |
|---|---|
| Parameter setting options | moneo |

| Interfaces | |
|---|---|
| Communication interface | Ethernet; USB |
| Number of Ethernet interfaces | 4 |
| Number of USB interfaces | 2 |

| Ethernet | |
|---|---|
| Transmission standard | 10Base-T; 100Base-TX |
| Transmission rate | 10 MBit/s; 100 MBit/s |
| Type of connector | M12 |
| Protocol | TCP/IP; TCP/IP JSON; UDP; HTTP; OPC UA; MQTT |

| USB | |
|---|---|
| Transmission rate | < 480 MBit/s |
| Type of connector | M12 |
| Version | USB 2.0 |
| Note on interfaces | Output current limitation: 1,5 A |
| | Output current total: 1,5 A |

| Operating conditions | | |
|---|---|---|
| Ambient temperature | [°C] | -25...55 |
| Storage temperature | [°C] | -25...85 |
| Max. relative air humidity | [%] | 90;  (non condensing) |
| Max. height above sea level | [m] | 3000 |
| Protection | | IP 65; IP 67 |
| Degree of soiling | | 2 |

| Tests / approvals | |
|---|---|
| EMC | EN IEC 61000-6-2 |
| | EN IEC 61000-6-8 |

| Mechanical data | | |
|---|---|---|
| Weight | [g] | 1057 |
| Housing | | rectangular |
| Type of mounting | | Backplane mounting |
| Dimensions | [mm] | 250 x 125 x 32.5 |

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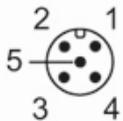| Material | housing: diecast aluminium powder-coated | |
|---|---|---|
| **Displays / operating elements** | | |
| Display | system status | 3 LED, three-color |
| | network status | 4 LED, green |
| | | 4 LED, yellow |
| **Hardware** | | |
| Processor | ARM 64 Bit Quad Core 1,2 GHz | |
| Working memory | 4 GByte RAM | |
| Mass storage | 20 GByte Flash | |
| Removable storage | USB interface | |
| **Data memory** | | |
| Real-time clock | yes; UTC, battery buffered | |
| **Remarks** | | |
| Remarks | maximum transmission rate of 500 process values per second | |
| Notes | an additional QCM100/QCM110 cloud subscription<br>is required to use and operate the moneo Cloud | |
| Pack quantity | 1 pcs. | |

### Electrical connection - Ethernet

Connector: 4 x M12; coding: D



| 1 | DATA | TX + |
|---|---|---|
| 2 | DATA | RX+ |
| 3 | DATA | TX - |
| 4 | DATA | RX - |

### Electrical connection - voltage supply

Connector: 1 x M12; coding: A



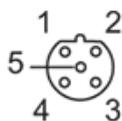| 1 | L+ | (+12 V) |
|---|---|---|
| 2 | L+ | (+12 V / +24 V) |
| 3 | L- | |
| 4 | n.c. | |
| 5 | n.c. | |

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**EdgeGateway for connecting the production environment to the IIoT platform moneo**

IIoT edgeGateway IP67

| Electrical connection - USB |
| --- |

Connector: 2 x M12; coding: B



| | |
| --- | --- |
| 1 | L+ |
| 2 | DATA - |
| 3 | DATA + |
| 4 | n.c. |
| 5 | L- |