

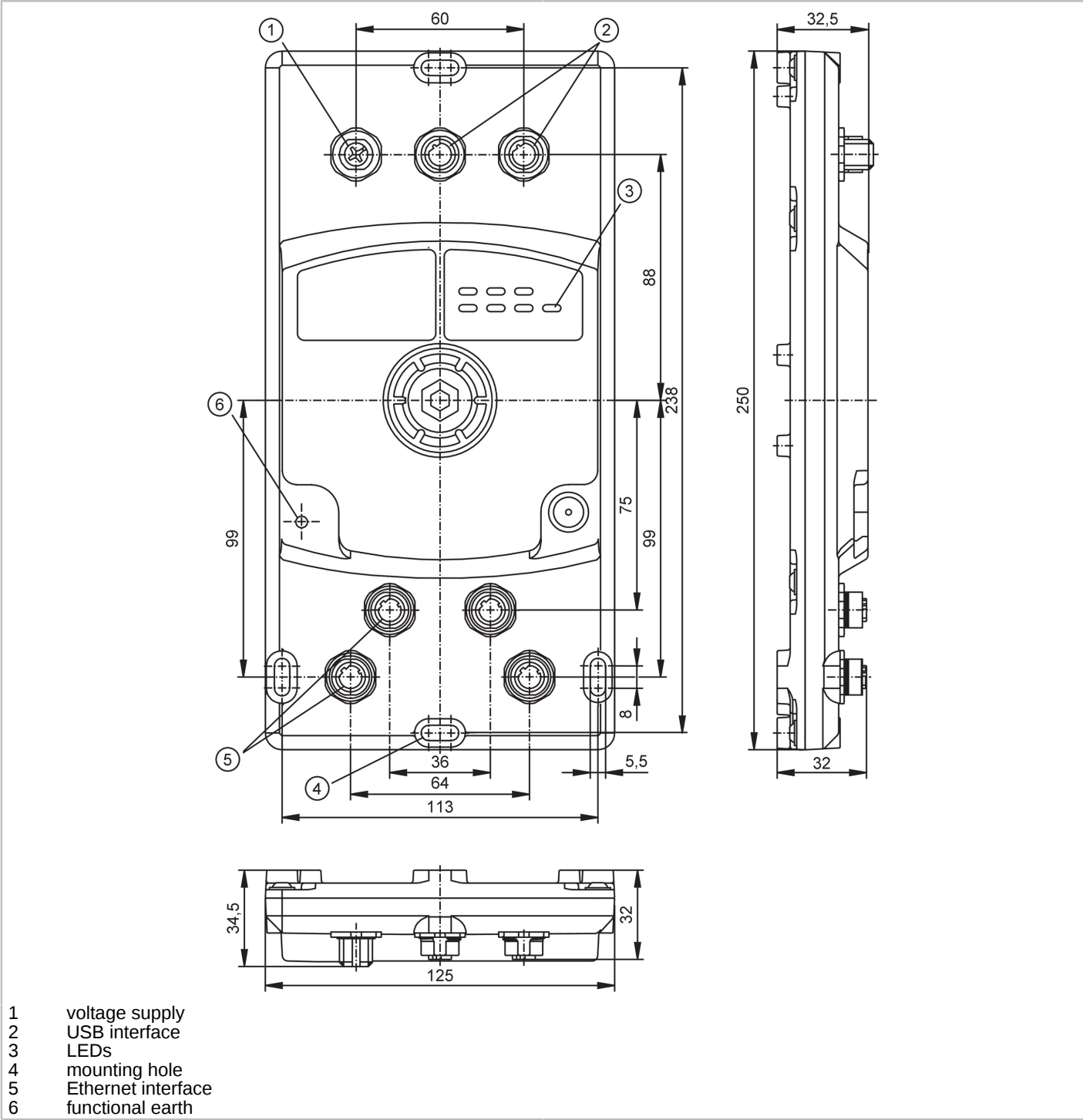
AE2400



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



Product characteristics

Communication interface	Ethernet; USB
Housing	rectangular
Dimensions [mm]	250 x 125 x 32.5



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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	
Pollution degree	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
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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
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Remarks

Remarks	maximum transmission rate of 500 process values per second
Notes	an additional QCM100/QCM110 cloud subscription is required to use and operate the moneo Cloud
Pack quantity	1 pcs.

Electrical connection - Ethernet

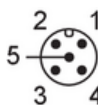
Connector: 4 x M12; coding: D; Contacts: 4



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

Electrical connection - voltage supply

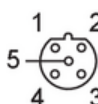
Connector: 1 x M12; coding: A; Contacts: 5



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

Electrical connection - USB

Connector: 2 x M12; coding: B; Contacts: 4



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