

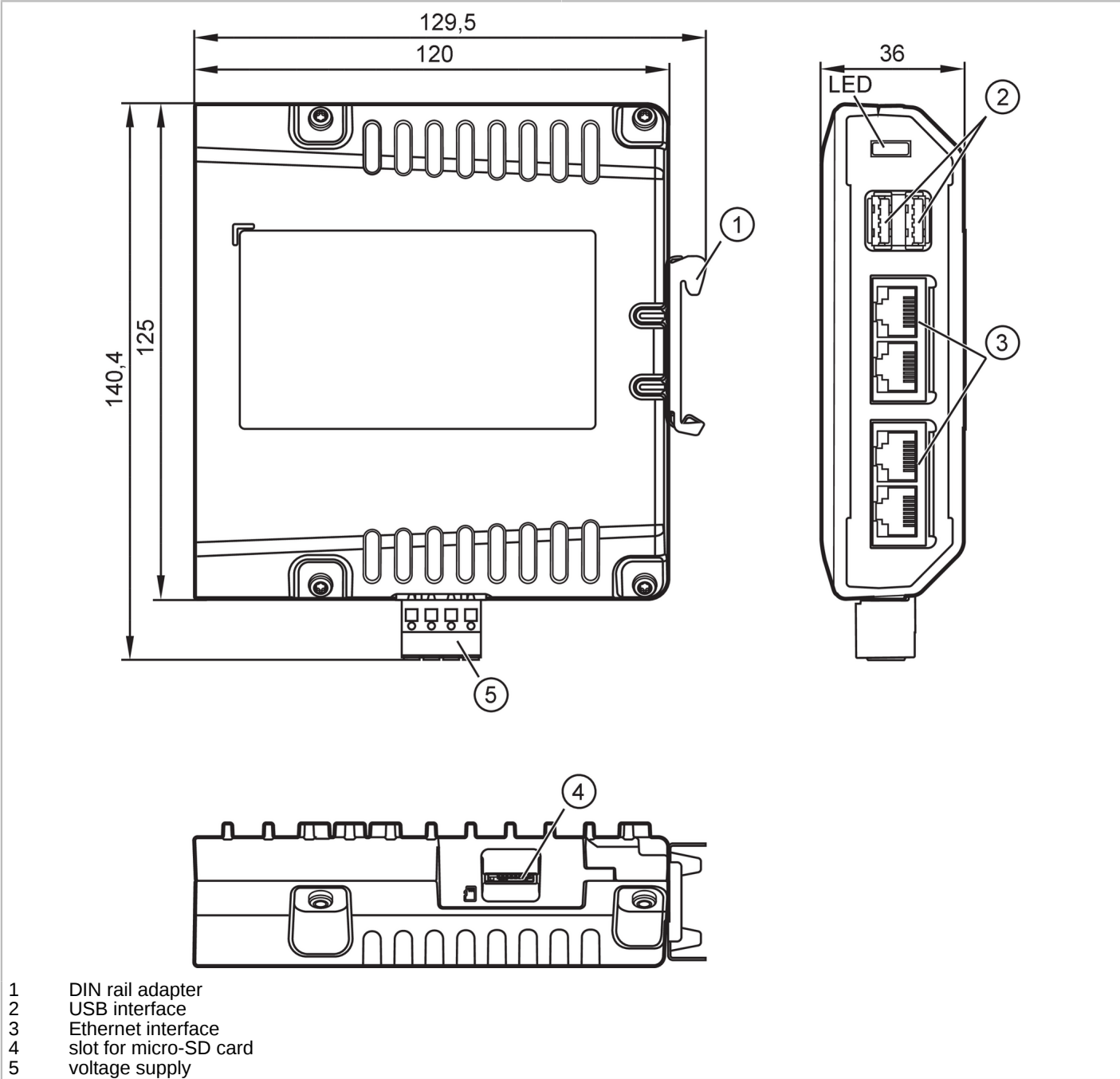
AE2100



EdgeGateway for connecting the production environment to the IIoT platform moneo

IIoT edgeGateway IP20 1S

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]	140.4 x 36 x 129.5
Application	
Application	ideally suited for operation in the control cabinet or IT environment to collect data from industrial environments to improve operational



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efficiency, productivity and safety; to increase machine availability, ensure process quality or optimise energy consumption in industrial applications

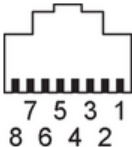
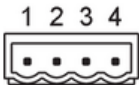
Electrical data		
Operating voltage	[V]	18...32 DC; (PELV)
Nominal voltage DC	[V]	24
Power consumption	[W]	14; (max. power for USB devices: 1,5 A / 5 V)
Reverse polarity protection		yes
Overvoltage category		II
Software / programming		
Parameter setting options		moneo
Interfaces		
Communication interface		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		RJ45
Protocol		TCP/IP; TCP/IP JSON; UDP; HTTP; OPC UA; MQTT
USB		
Transmission rate		< 480 MBit/s
Type of connector		type A
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
Note on ambient temperature		2000 m: 55 °C
		3000 m: 50 °C
Storage temperature	[°C]	-25...85
Max. relative air humidity	[%]	90; (non condensing)
Max. height above sea level	[m]	3000
Protection		IP 20
Pollution degree		2
Tests / approvals		
EMC		EN 61000-6-2
		EN 61000-6-3
MTTF	[years]	52
Mechanical data		
Weight	[g]	680
Housing		rectangular
Type of mounting		Mounting on DIN rail; (TH35 (EN 60715))
Dimensions	[mm]	140.4 x 36 x 129.5

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Material	housing: diecast aluminium passivated; stainless steel
Displays / operating elements	
Display	3 LED, three-color
Hardware	
Processor	ARM 64 Bit Quad Core 1,2 GHz
Working memory	4 GByte RAM
Mass storage	20 GByte Flash
Removable storage	Micro SD card; SD; SDHX; SDXC; 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 is required to use and operate the moneo Cloud
Pack quantity	1 pcs.
Electrical connection - Ethernet	
Connector: 4 x RJ45; Contacts: 8	
	
1 TD + 3 RD + 2 TD - 6 RD -	
Electrical connection - USB	
Connector: 2 x type A	
	
1 + 5 V 2 Data - 3 Data + 4 GND	
Electrical connection - voltage supply	
Connector: 1 x Cage clamp	
	
1 + 24 V 2 0 V 3 n.c. 4 n.c.	