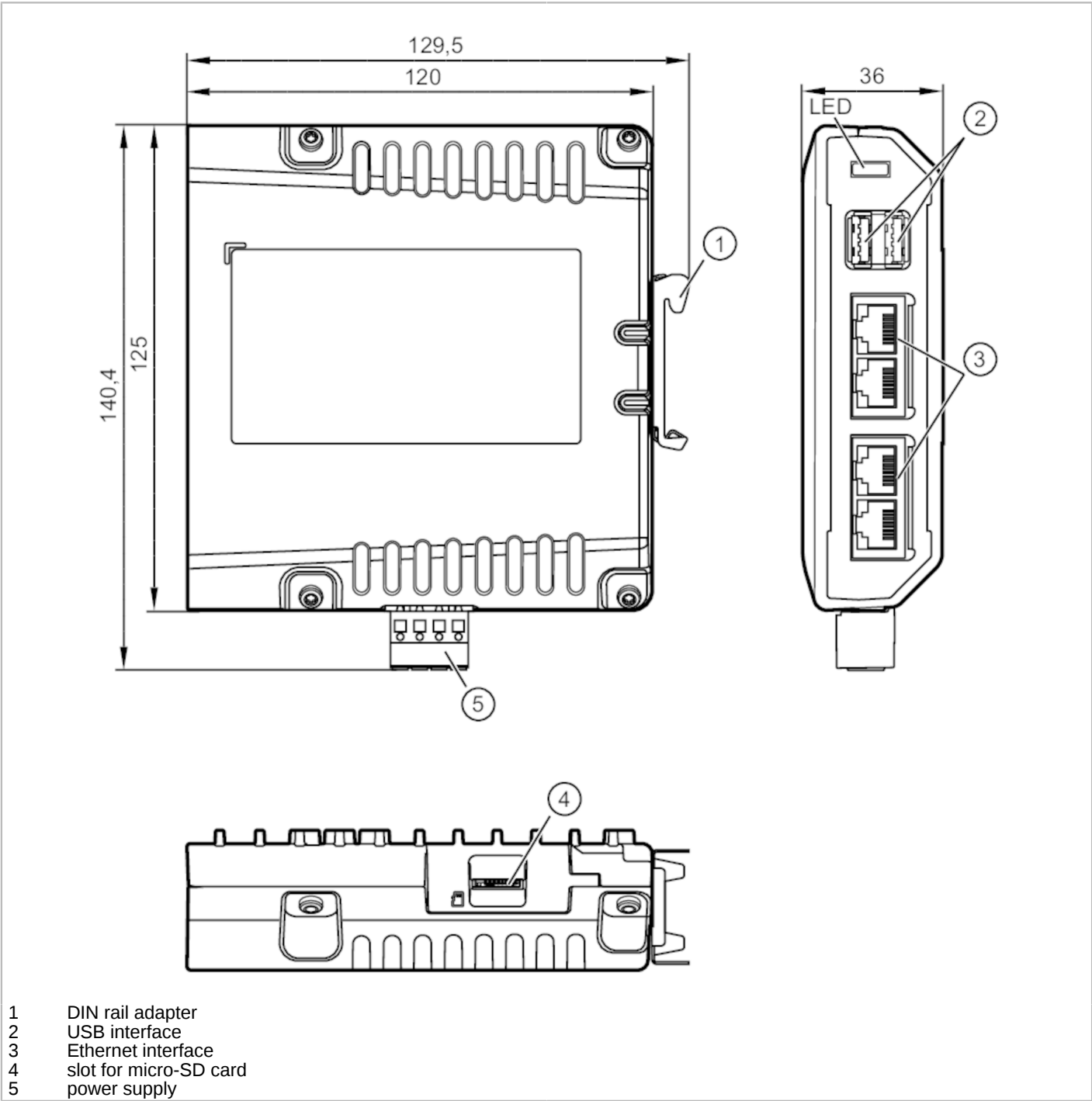




EdgeGateway for connecting the production environment to the IIoT platform moneo

IIoT edgeGateway IP20 1S

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



Product characteristics	
Communication interface	Ethernet; USB
Application	
Application	ideally suited for operation in the control cabinet or IT environment to collect data from industrial environments to improve operational efficiency, productivity and safety; to increase machine availability, ensure process quality or optimise energy consumption in industrial applications



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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
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
Connector type		RJ45
Protocol		TCP/IP; TCP/IP JSON; UDP; HTTP
USB		
Transmission rate		< 480 MBit/s
Connector type		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	
Mechanical data		
Weight	[g]	0.68
Type of mounting		DIN rail mounting
Materials		housing: diecast aluminium passivated; stainless steel
Displays / operating elements		
Display		3 LED, three-colour
Hardware		
Processor		ARM 64 Bit Quad Core 1,2 GHz
RAM		4 GByte RAM

AE2100



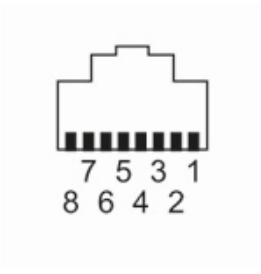
EdgeGateway for connecting the production environment to the IIoT platform moneo

IIoT edgeGateway IP20 1S

Mass storage	20 GByte Flash
Removable storage	Micro SD card; SD; SDHX; SDXC; USB interface
Data memories	
Real-time clock	yes; UTC, battery buffered
Remarks	
Remarks	maximum transmission rate of 500 process values per second
Notes	an additional QCM100 cloud subscription is required to use and operate the moneo Cloud
Pack quantity	1 pcs.

Electrical connection - Ethernet

Connector: 4 x RJ45



- 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

AE2100

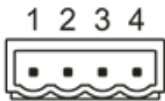


EdgeGateway for connecting the production environment to the IIoT platform moneo

IIoT edgeGateway IP20 1S

Electrical connection - power supply

Connector: 1 x Cage clamp



1	+ 24 V
2	0 V
3	n.c.
4	n.c.