



- Driving data recording
- European Train Control System (ETCS)
- Train Real Time Data Protocol (TRDP)
- Online Monitoring
- SFTP/WebDAV file retrieval
- Digital output
- 1xCAN / 2x Ethernet
- Crash Protected Memory according EN 62625
- asis® system integration



1. Electrical input characteristics

Parameter	Min.	Typ.	Max.	unit
Operating voltage	16.8	24-110	143	V
Power consumption	tbd	tbd	15	W

2. Environmental conditions

Parameter	Min.	Typ.	Max.	unit
Rated temperature		25		°C
Operating temperature	-25		+85	°C
Storage temperature	-40		+85	°C
Storage and operating humidity	10		90 ¹	%RH
Protection class		IP20		
Altitude during operation above sea level			3000	m
Reliability			tbd	Years

3. Memory

Designation	Min.	Max.	unit
SDHC flash card (industrial standard)		256	GB
Crash Protected NOR Flash memory		2(8) ²	GB
CPM Hardness Level complies with EN 62625-1, 4.3.1.7 Table 1	Level A		

4. Dimensions / Weight / Color

Designation	Min.	Max.	unit
Dimensions WxHxD	113	128.4	214 ³
Rack mount dimensions	42 TE	3 HE	
Weight		5.5	kg
Color	Naturally anodized aluminium, RAL2003, stainless steel		

¹ Non-condensing

² 8GB coming 2026

³ Without handle

created	checked	approved	filename	version	page
2025-04-15/RB			Datasheet_asisJRUCPM.docx	0.1	1/3

5. Connector Description:

	<p>X4 Supply/Dig OUT</p>	<p>M12 male A-coded 1 + Bat 2 - Bat 3 DIG OUT + 4 DIG OUT -</p>	<p>LED</p> <ul style="list-style-type: none"> Power (Green LED blinking 80%ON / 20OFF if system ok) DIGOUT (Green LED, ON if DIGOUT is on)
	<p>X3 CAN</p>	<p>M12 female A-coded 1 CAN_SHLD 2 3 4 CAN H 5 CAN L</p>	<p>LED</p> <ul style="list-style-type: none"> CAN RX (Green LED, flickers on incoming traffic) CAN TX (Green LED, flickers on outgoing traffic)
	<p>X2 LAN 2</p>	<p>M12 female D-coded Outer Push-Pull 1 RX_P 2 TX P 3 RX N 4 TX N</p>	<p>LED</p> <ul style="list-style-type: none"> Link/Act Speed
	<p>X1 LAN1</p>	<p>M12 female D-coded Outer Push-Pull 1 RX P 2 TX P 3 RX N 4 TX N</p>	<p>LED</p> <ul style="list-style-type: none"> Link/Act Speed
	<p>PE</p>	<p>Grounding Bolt M4</p>	<p>Equipped with 2 hexagonal nuts, 2 washers and 1 spring washer</p>

6. Local HMI

The local HMI is protected against tampering by a sealable cover. Additionally, the use of SD cards allows for fast and efficient data retrieval.



<p>USB C</p>	<ul style="list-style-type: none"> Service interface (Manufacturer use only)
<p>Push Button Card</p>	<ul style="list-style-type: none"> Prepares the SD card for removal (saves the last file from internal NOR flash to the SD card)
<p>SD Card Slot</p>	<ul style="list-style-type: none"> Push-push SD card slot SDHC up to 256GB
<p>LED Card</p>	<ul style="list-style-type: none"> Dark: Card functionis ok Red blinking: Card Error (no SD card, SD card write protected, SD card not readable) Blue blinking: while closing(saving) data Green: Data saved, SD card is ready for removal
<p>LED Status</p>	<ul style="list-style-type: none"> Green flickering: While datarecording Red blinking (fast): Error (configuration problem) Blau blinking (data timeout) Alternnate blinking green and blue: if both are active
<p>Push Button RESET</p>	<p>Resets the device (long press required)</p>

created 2025-04-15/RB	checked	approved	filename Datasheet_asisJRU_CPM.docx	version 0.1	page 2/3
--------------------------	---------	----------	--	----------------	-------------

Data Sheet

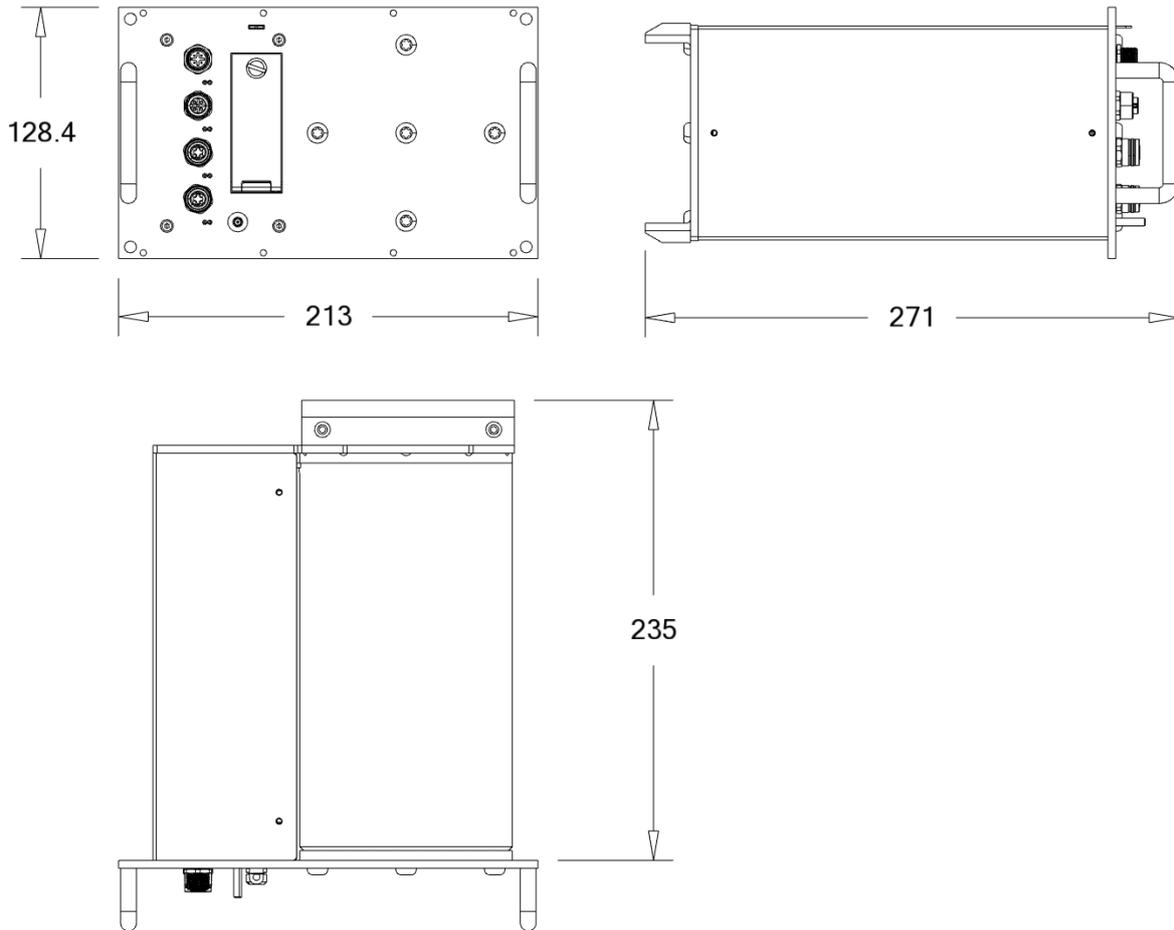
Article No. 3537



7. Web Interface

Refer to document xxx

8. Drawings



9. Standards and Approvals

- EN 50155:2022-06
- EN 45545-2:2020-10
- EN 62625-1:2013

created 2025-04-15/RB	checked	approved	filename Datasheet_asisJRU_CPM.docx	version 0.1	page 3/3
--------------------------	---------	----------	--	----------------	-------------