



- Driving data recording
- European Train Control System (ETCS)
- Train Real Time Data Protocol (TRDP)
- Online Monitoring
- SFTP/WebDAV file retrieval
- Digital output DIG OUT
- 1xCAN / 2x Ethernet 100Mb/s
- 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		3.5	5	W
Inrush current			<300	mA
Galvanically isolated		yes		

2. Electrical output characteristics DIG OUT

Parameter	Min.	Typ.	Max.	unit
Operating voltage	16.8	24 - 110	143	V
Operating current			0.8 ¹	A
Galvanically isolated		yes		

3. Environmental conditions

Parameter	Min.	Typ.	Max.	unit
Rated temperature		25		°C
Operating temperature	-25		+70	°C
Storage temperature	-40		+85	°C
Storage and operating humidity	10		90 ²	%RH
Protection class		IP20		
Altitude during operation above sea level			3000	m
Reliability MTTF		60		Years

4. Memory

Designation	Min.	Max.	unit
SDHC flash card (industrial standard)		256	GB
Crash Protected NOR Flash memory		512 ³	MB
CPM Hardness Level complies with EN 62625-1, 4.3.1.7 Table 1	Level A		

5. Dimensions / Weight / Color

Designation				unit
Dimensions WxHxD	213	128.4	271	mm
Rack mount dimensions	42 TE	3 HE		
Weight		4.5		kg
Color	Naturally anodized aluminium, RAL2003, stainless steel			

¹ short peak 2A

² Non-condensing

³ 2GB possible in 2027

⁴ Without handle

created 2025-10-09/RB	checked 2026-02-16/AK	approved 2026-02-16/RB	filename 000009_asisJRUCPM_Datasheet.docx	version 1.4	page 1/3
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6. Connector Description:



Table with 3 columns: Connector Label, Pin Configuration/Type, and LED Functions. Rows include X4 (Supply/Dig OUT), X3 (CAN), X2 (LAN 2), X1 (LAN 1), and PE (Grounding Bolt).

7. 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.

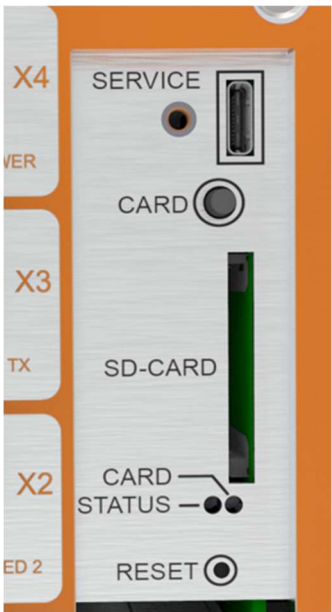
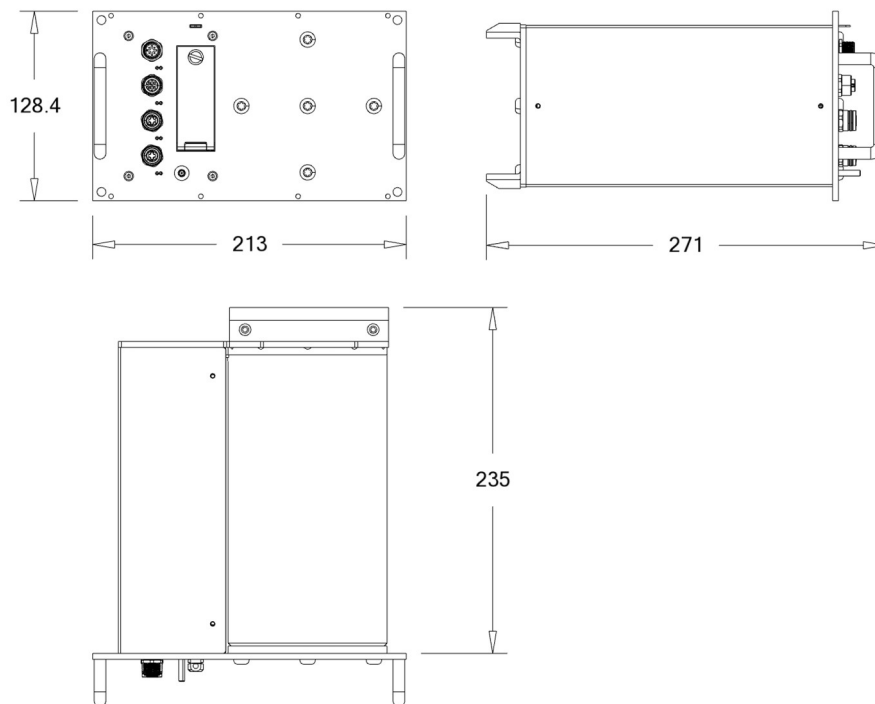


Table with 2 columns: Component and Description. Rows include USB C, Push Button Card, SD Card Slot, LED Card, LED Status, and Push Button RESET.

8. Drawings

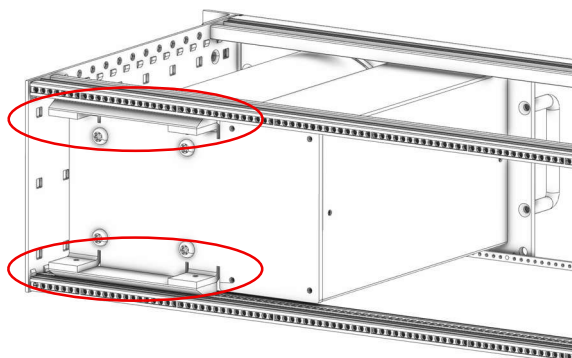


9. Standards and Approvals

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

10. Scope of delivery and mechanical integration

The asisJRU CPM is delivered including a 19 inch subrack from Schroff, article number 24567162. Due to the device weight and to ensure proper mechanical support, the asisJRU is designed to rest on the rear side within the subrack. This ensures secure load absorption and uniform weight distribution inside the vehicle installation.



created	checked	approved	filename	version	page
2025-10-09/RB	2026-02-16/AK	2026-02-16/RB	000009_asisJRU_CPM_Datasheet.docx	1.4	3/3