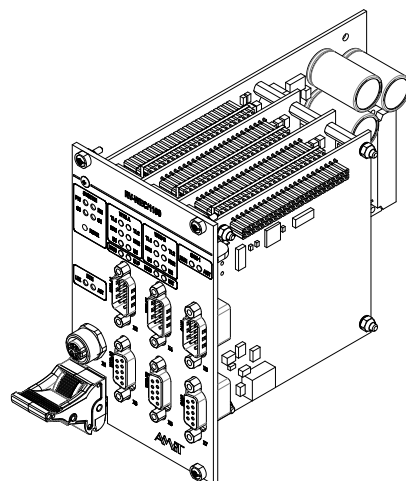


# RV-WEC/1100

WTB / Ethernet / CAN gateway

- 1 × WTB interface (with doubled line)
- 1 × Ethernet 100 Mbps (connector M12)
- 1 × CAN interface (connector concatenation)
- Optional unit redundancy
- Internal communication interface RAVA BUS
- Mounting in to 19" subrack RV-RC0xx
- Design according to EN 50155:2007
- WTB interface meets requirements of EN 61375-1:2012



## TECHNICAL DATA

<b>WTB interface</b>	1 × (doubled line)
Communication rate	1 Mbps ±0.01 %
Galvanic separation	Yes, 1000 V AC / 1 minute *)
Connection point	4 × D-sub DE-9 connector fixing by M3 bolt **)
<b>Ethernet interface</b>	1 ×
Communication rate	100 Mbps
Galvanic separation	Yes, 1000 V AC / 1 minute *)
Connection point	M12 connector **)
<b>CAN interface</b>	1 ×
Galvanic separation	Yes, 1000 V AC / 1 minute *)
Characteristic line impedance	120 Ω ±10 %
Terminating resistor	External ***)
Connection point	2 × D-sub DE-9 (concatenation) connector fixing by UNC4-40 bolt **)
<b>Current / maximum power consumption</b>	Internal 24 V DC from subrack / 600 mA
<b>Others</b>	
Mechanics	Subrack RV-RC0xx plug-in card
Number of occupied subrack positions	4
Ingress protection rate	IP20 (when installed)
Operating temperature range	-40 °C to 70 °C
Storage temperature range	-40 °C to 70 °C
Maximum ambient humidity	< 95 % non-condensing
Weight	0.38 kg
Dimensions in standard units (w × h) #)	16 HP × 3 U
Dimensions (w × h × d)	(81 × 131 × 208) mm

\*) Galvanic separation must not be used for dangerous voltage separation.

\*\*\*) Cable connectors are not a part of gateway delivery (see tab. Ordering information)

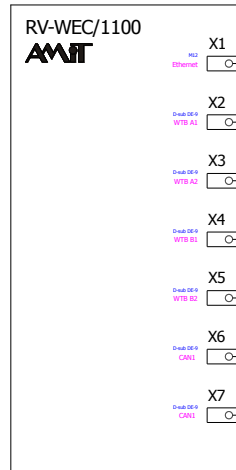
\*\*) Terminating resistor is not a part of gateway delivery (see tab. Ordering information)

#) 1 HP (horizontal pitch) = 0.2 inch (5.08 mm),  
1U (rack unit) = 1.75 inch (44.45 mm)

## ORDERING INFORMATIONS

<b>RV-WEC/1100</b>	WTB / Ethernet / CAN gateway, Routine testing protocol, Insulation testing protocol, Warranty certificate.
<b>21038821405</b>	Crimping M12 cable connector, D coding
<b>CAN 09F-MC/A</b>	Crimping cable connector D-sub DE-9, socket
<b>CAN 09M-MC/A</b>	Crimping cable connector D-sub DE-9, plug
<b>TRM-CAN/F</b>	Termination module for CAN – socket, Datasheet
<b>TRM-CAN/M</b>	Termination module for CAN – plug, Datasheet

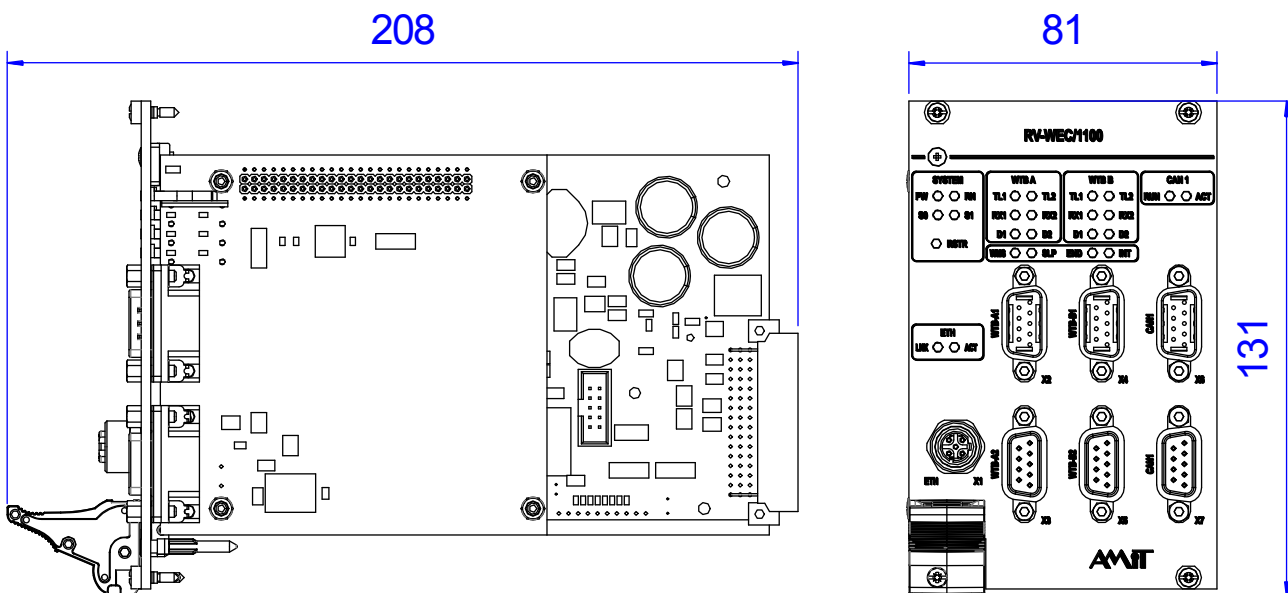
## RECOMMENDED DRAWING SYMBOL



## LIST OF CONNECTORS

Connector	Label	Meaning
X1	ETH	Ethernet
X2	WTB A1	WTB line A, direction 1
X3	WTB A2	WTB line A, direction 2
X4	WTB B1	WTB line B, direction 1
X5	WTB B2	WTB line B, direction 2
X6	CAN 1	CAN line 1, connector 1
X7	CAN 1	CAN line 1, connector 2

## MECHANICAL DIMENSIONS



Data provided in this datasheet are only informative. Detailed information can be found in operational manual ([rv-wxc1100\\_g\\_en\\_xxx.pdf](#)). Documentation and examples can be downloaded from [www.amit.cz](http://www.amit.cz) web site.