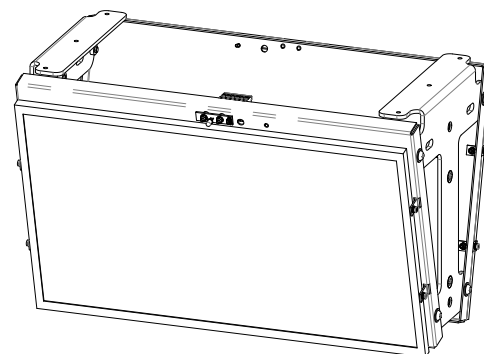


# AIPDB1185WEAA/02

TFT panel for rolling stock 18,5"

- 2× 18,5", 1366 × 768, TFT LED LCD
- Ethernet 10/100 Mbps M12
- Power supply 24 V DC w/ GI
- Mounting on the ceiling
- UIC 176 compliant
- Design according to EN 50155:2007



## TECHNICAL DATA

<b>Display</b>	2× 18,5", 1366 × 768, TFT LED LCD
Luminance, contrast	Typically 350 cd/m <sup>2</sup> , typically 1000:1
Viewing angle	170° horizontally, 50° upper, 80° lower *)
Backlight / lifetime	LED / min. 50 000 hours **)
<b>Ethernet</b>	1×
Data transmission rate	10/100 Mbps
Connector	M12 4-pin D-coding
<b>Light sensor</b>	1×
<b>USB</b>	2× USB 2.0
Connector	Type A
<b>Power supply</b>	16.8 V DC to 30 V DC
Nominal power supply voltage	24 V DC
Galv. isolation, dielectric strength	Yes, 500 V AC / 1 minute #)
Maximum power consumption	1.2 A at 24 V DC
Connection point	WAGO 769-664/003-000
<b>SW</b>	OS Linux
<b>Others</b>	
Mechanics	No cover
Mounting	On the vehicle ceiling
Ingress protection rate	IP00
Operating temperature	0 °C to 50 °C
Storage temperature	-20 °C to 60 °C
Maximum ambient humidity	< 95 % non-condensing
Weight	10.7 kg
Dimensions (w × h × d)	(449 × 276 × 258) mm
Expected MTBF	Min. 150 000 hrs

\*) For contrast ratio  $\geq 10:1$ .

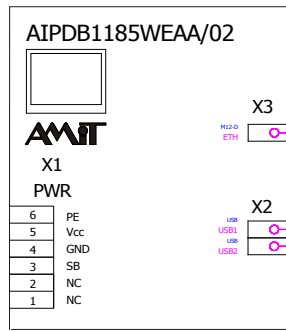
\*\*) Luminance drop to 50 % @ ambient temperature 25 °C.

#) Isolation may not be used for dangerous voltage separation.

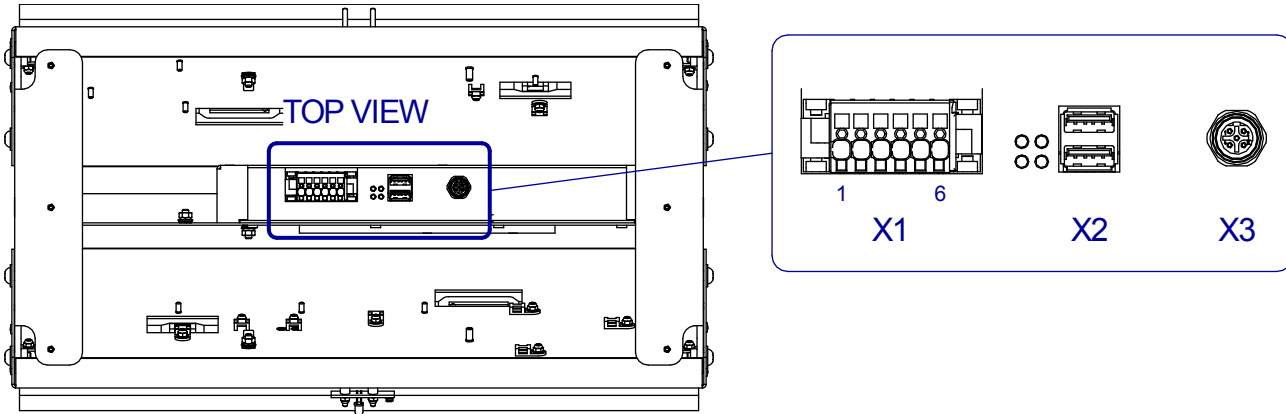
## ORDERING INFORMATION

<b>AIPDB1185WEAA/02</b>	Information panel, WAGO connector counterpart, Routine test protocol, Insulation test protocol, Certificate of product quality and completeness
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## RECOMMENDED DRAWING SYMBOL



## CONNECTOR LOCATION

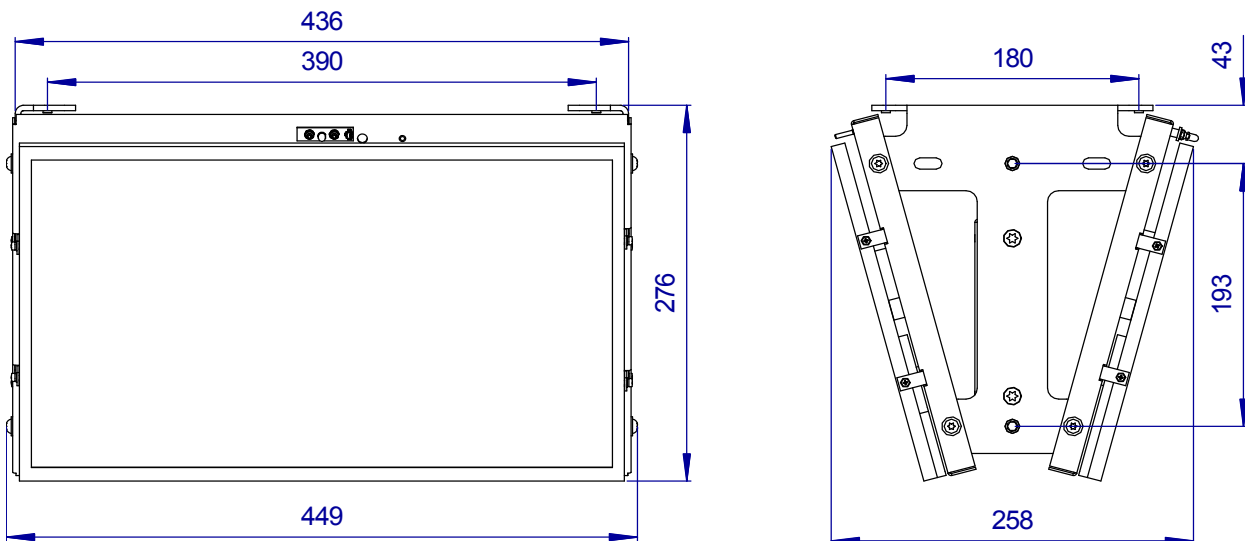


## CONNECTORS SPECIFICATION

Connector	Description
X1	Power supply connector
X2	USB connectors
X3	Ethernet connector

Connector	PIN	Signal	Description
X1	1	NC	Not connected
	2	NC	Not connected
	3	SB	Unit activation
	4	GND	Power supply, GND
	5	Vcc	Power supply, +24 V
	6	PE	Unit chassis

## PANEL DIMENSIONS



Data provided in this datasheet are informative only. Documentation can be downloaded from [www.amit-transportation.com](http://www.amit-transportation.com).