PRODUCT SHEET

EPIS-DU133 – 13.3”

ePaper Display Unit for EPIS systems

Outline

The EPIS-DU133 module is a fully sealed – IP65 – low power display module for MpicoSys EPIS-real-time low-power E-paper Passenger Information System. It connects to the communication/system Unit (EPIS-CU) over a single cable with an M12 connector. The module houses a 13.3” display and MpicoSys low power driving electronics (TCM), integrated front-light and light-sensor. The module is fully protected from the external environment and prevented from condensation inside the display module as well as damage by UV radiation.

EPIS-DU133 display Unit – IP65

Module Parameters

Parameter	Specifications	Unit
Front glass	4 mm laminated soda lime security glass with 98% UV filter and anti-graffiti film[1]	Default
Back glass	3 mm soda lime glass[2]	Default
Dimensions	322 x 250 x 17	mm[3]

[1] Other configurations e.g. tempered glass at request.
[2] Other configurations at request.

Classification	IP65, ROHS	
Cable size	Length min 250 mm - Ø 7 mm	
Interface	SPI	
Front light – max light	12	Lumen
Operating voltage	3.0 to 3.6	Volt

Display parameters

Parameter	Specifications	Unit
Parameter / Display Size	13.3" (ED133UT2)	
Display resolution	1600 (H) × 1200(V)	Pixels
Active area	270.4 (H) × 202.8 (V)	mm
Pixel pitch	0.169 (H) × 0.169 (V)	mm
Pixel configuration	Square	
Displaying Operation Mode	Reflective Mode	
Operating temperature	-15-65℃	

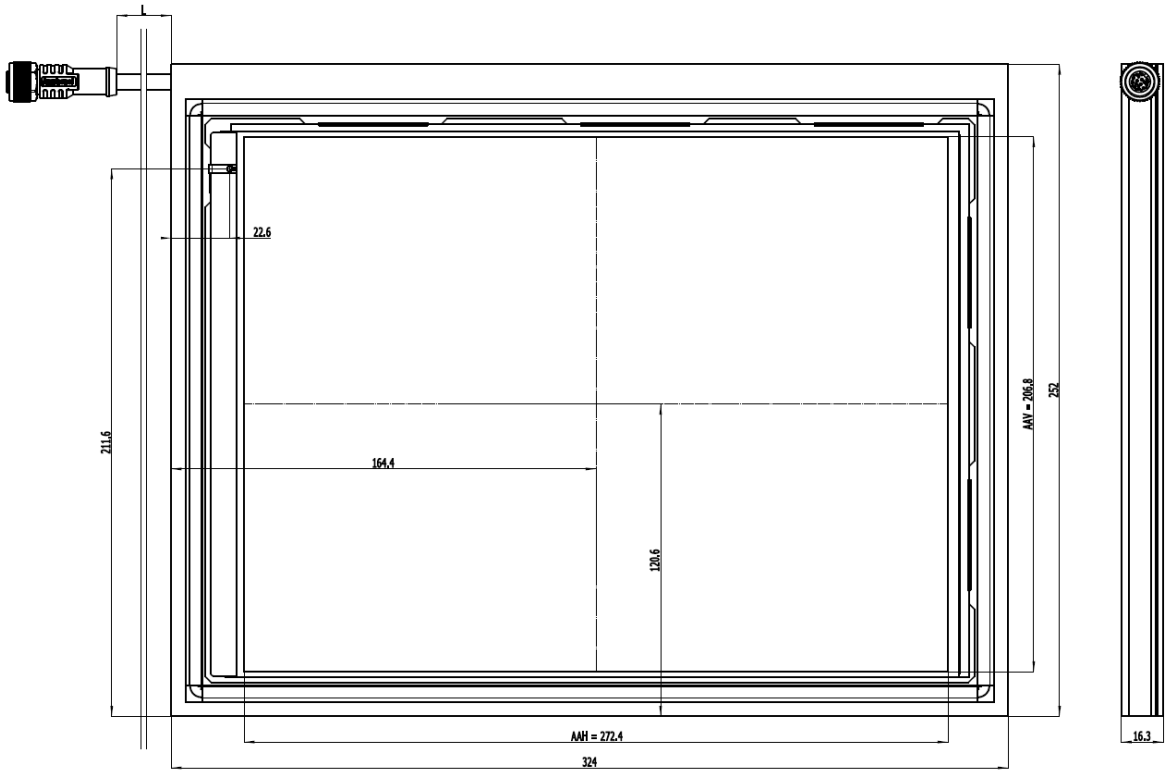
Supplied with EPIS DU133

- Connecting cable to EPIS CU

Connections

Number	Connection	Connector Type
1	EPIS CU	M12 - 11 pin

Mechanical Drawing



Build-in details

	Size[3]	Central Position[4]
Active Area Display (AA)	272.4 x 206.8 [mm x mm]	164.4 x 120.6 [mm x mm]
Light Sensor	Ø 3 [mm]	211.6 x 22.6 [mm x mm]

[3] size in mm – Horizontal x Vertical

[4] Central position – Horizontal x Vertical from bottom left corner of the outside of the module

MpicoSys Epis Module family

MpicoSys offers the following modules for the EPIS System

Type Number	Description	Connects to EPIS-CU over
EPIS -CU	Communication/System Unit – up to 2 displays	
EPIS -CU6	Communication/System Unit – up to 6 displays	
EPIS-DU97	Display Module 9.7”	Display connector
EPIS-DU133	Display Module 13.3”	Display connector
EPIS-DU312	Display Module 31.2”	Display connector
EPIS-DU42	Display Module 42” (expected Q4 2021)	Display connector
EPIS-SC-SLA	Solar charger Module for SLA battery	Power-RS485
EPIS-SC-LIP	Solar charger Module for Li-Po battery	Power-RS485
EPIS-TTS	Text to Speech Module – server based	Display connector
EPIS-TTS	Text to Speech Module – Local TTS conversion	Power-RS485
EPIS-BUT	Button module with 1-4 pushbuttons	Button connector

The following power options can be provided for the real-time EPIS System

- Solar /battery operation. Solar cells and battery size will be tuned for each location
- Night time mains (Street lighting) operation. Battery will be selected at customer requirements
- Mains operation
- Solar and nighttime mains operation
- Battery Only operation – Primary, non-rechargeable battery will be selected at customer requirements