

KEY FEATURES

- + Dynamic signage without power supply
- + Quick and easy installation
- + Easy maintenance
- + High readability day and night
- + Resolution 1280 x 1024
- + Long life of solar cell solution, three years without battery replacement



BUS STOP DISPLAY – WITH COUNTDOWN FUNCTION

REAL-TIME-BASED DEPARTURE INFORMATION

Dynamic Information Display can show detailed information for up to 12 individual bus lines on a single screen. For all selected bus lines, information such as line numbers, bus destinations and countdowns until expected arrival for the particular stop are clearly displayed. The countdown to the arrival time is displayed in real-time, using projections based on the current traffic situation.

The unit can also show messages in the form of graphics from the transport company, the municipality, bus operator, etc. This could be information about timetable changes, temporary delays, upcoming events, etc.

By combining the benefits of the latest e-paper technology and updated real-time information retrieved directly via Internet, waiting travellers get updated traffic information in clear and readable text. All the necessary information is displayed on one screen in real-time.

E-paper signs are a new display technology distinguished by an extraordinarily high image contrast which is clear and readable from all angles, both day and night.

The solution is modular and consists of a 10.2" a-SI TFT active matrix Electronic Paper Display (EPD). With a high image resolution of 160 dpi, this solution displays graphic content better than any other type of display. It also has a very low power consumption, as power is only consumed when the display content is updated. In between, the solution does not consume power, as the displayed content is static and the rest of the system is in a unique "sleep mode".

The solution is connected to the Internet via the mobile network (GSM/GPRS). Mermaid's own CMS system delivers images and content to the device and offers simultaneous operational monitoring. The solution has the best security system to protect against external hacking.



DYNAMIC INFORMATION DISPLAY

Specifications

ENVIRONMENT	
Temperature	-20 to +50 degrees
Relative humidity	10-100%
POWER CONNECTION	
Power connection	Lithium batteries and solar cells, or fixed 230 VAC supply
Power consumption	230 VAC, less than 10 watt
READABILITY	
Display type	E-paper
Resolution	1280 x 1024 pixels
Viewing angle	> 179 degrees
Contrast	> 12:1
COMMUNICATION	
Connection	GSM/GPRS mobile network
Two-way communication	Yes
Operational monitoring	Yes
Verification of display	Yes
Displayed content	Graphics
PROPERTIES	
Battery installation	Yes
Solar cell installation	Yes
Edge lighting	Yes
OPTIONS	
Voice module	Yes

