

LMS

Lunar

E-paper displays



The LMS line of e-paper displays is very wide and complete. Various formats are available, from 13.3" to 42", in both classic greyscale and color versions. The battery can power the display for up to 3 years and, with the solar cell combination, up to 10 years. High-quality reading of information is guaranteed at all times, whether in direct sunlight or darkness, thanks to e-paper technology that offers high contrast in all weather conditions, even the harshest. LMS displays are easy to integrate with existing infrastructure, such as light poles, bus stops, walls and more. The design is compact and the footprint small, although the robust aluminium casing and 6 mm safety glass protect it from hard impacts and severe weather conditions. Typical installation requires only one person and less than 30 minutes because no wiring is needed.

- Great readability
- Easy to maintain
- Ultra-low power

- Embedded Text to Speech
- Zero maintenance
- Advanced diagnostic system

ENVIRONMENT

Outdoor

IP65 water/dust proof

IK09 vandal proof

Temperature range from -30°C to +50°C

STRUCTURE

Main structure in anti-corrosive aluminium

Antireflective safety 3+3 laminated glass

Safety Lock and invisible screws and hinges

Wide range of accessories for wall and pole mounting



Rif.Code: LMS.L28



Rif.Code: LMS.L13T



Rif.Code: LMS.P13



For more information visit www.fida.it

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Technical Specification



	LMS.L13T	LMS.P13	LMS.L28s	LMS.P32	LMS.P42
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General

Screen orientation	Landscape	Portrait and Landscape	Landscape	Portrait	Portrait
Screen size (inch)	13"	13"	28" stretched	32"	42"
Screen active area (cm)	26,7 x 20	20 x 26,7	68,1 x 19	38,9 x 69,1	63,7 x 85,4
Display Colors	16-level grayscale	16-level grayscale	16-level grayscale	16-level grayscale	16-level grayscale
Screen resolution (pixel)	1600 x 1200	1200 x 1600	1080 x 3840	1440 x 2560	2160 x 2880
Life Cycle	80.000 hours	80.000 hours	65.000 hours	80.000 hours	80.000 hours
Night Usage	Embedded LED Front lighting (optional)				
Connectivity	LPWA Modem (LTE-M or NB2) -- LTE Modem (4G/3G/2G, option 5G) -- WI-FI (2,4/5 GHz)				
Protocol	Customizable according to customer requirements				
Interactive Functions	Push Buttons -- Text-To-Speech module (optional)				

Environment

Environment protection	Outdoor IP65 (Nema 3S)	Outdoor IP65 (Nema 3S)	Outdoor IP65 (Nema 3S)	Outdoor IP65 (Nema 3S)	Outdoor IP65 (Nema 3S)
Operating temperature	-20°C / +50°C	-20°C / +50°C	-20°C / +50°C	-20°C / +50°C	-20°C / +50°C
Non-Operating temp.	-25°C / +70°C	-25°C / +70°C	-25°C / +70°C	-25°C / +70°C	-25°C / +70°C
Environment humidity	10% - 90%	10% - 90%	10% - 90%	10% - 90%	10% - 90%
Antivandal protection	IK09	IK09	IK09	IK09	IK09

Enclosure

Enclosure material	Aluminium	Aluminium	Aluminium	Aluminium	Aluminium
Standard enclosure color	RAL 7012	RAL 7012	RAL 7012	RAL 7012	RAL 7012
Mounting Type	Pole and Wall mounting	Pole and Wall mounting	Pole and Wall mounting	Pole and Wall mounting	Pole and Wall mounting
Glass	Anti-reflective laminated glass (3mm + 3mm)				

Power

Vac supply	12VDC - 24VDC (Battery) 230VAC (Grid)	12VDC - 24VDC (Battery) 230VAC (Grid)	12VDC - 24VDC (Battery) 230VAC (Grid)	12VDC - 24VDC (Battery) 230VAC (Grid)	12VDC - 24VDC (Battery) 230VAC (Grid)
Autonomy (Typ)	3 years (Battery) 10 years (Battery+SolarPanel)	3 years (Battery) 10 years (Battery+SolarPanel)	3 years (Battery) 10 years (Battery+SolarPanel)	3 years (Battery) 10 years (Battery+SolarPanel)	3 years (Battery) 10 years (Battery+SolarPanel)

Dimensions

Width x Height x Depth (cm)	45 x 52 x 5	30/34 x 45 x 6,4	81,5 x 32,5 x 6,4	52 x 82 x 6,4	111,5 x 98,5 x 6,4
Weight (Kg)	11	8	12	17	32
Notes					