E-PAPER DISPLAY

STATIONARY PASSENGER INFORMATION SYSTEM

FEATURES

- High resolution, multiple page views

- Electrophoretic display technology operates with minimal energy consumption

- Optional text-to-speech functionality meets ADA requirements

- Requires no power or communication infrastructure; optional solar power

- Exceeds IK-10 Impact Protection Requirements for Improved Vandalism Resistance

PROVEN TECHNOLOGY, SUPERIOR VISIBILITY

Luminator Technology Group, the world leader in destination signs for transit buses, now offers E-paper displays for stationary applications. The displays use proven bistable reflective technology that provides superior visibility in direct sunlight, and low power consumption. Luminator's E-paper displays can be configured to operate on solar power and 4G/LTE cellular communications, eliminating costly construction and hard-wired installation.

EASILY PROVIDE REAL-TIME INFORMATION

Luminator's E-paper displays have the ability to display high-resolution images up to 2560 x 1440 pixels, making them ideal for graphics, arrival schedules and QR codes. The displays are managed via Luminator's content management software (CMS), providing the ability to monitor display status throughout the network, and update content on one or multiple displays as needed.

E-PAPER DISPLAY

TECHNICAL DATA

Order Information	
Order Number North America	32-inch: 511429-201 13-inch: 511455-001
Display	
Technology	Electrophoretic
Size	32-inch: 800.1 mm x 490.2 mm x 68.6 mm, 31.5" x 19.3" x 2.7" (W x H x D) 13-inch: 297.2 mm x 375.9 mm x 68.6 mm, 11.7" x 14.8" x 2.7" (W x H x D)
Aspect ratio	32-inch: 16:9 13-inch: 4:3
Display Colors	Black, white, dark gray, light gray
Active display area	32-inch: 690.9 mm x 388.3 mm, 27.2" x 15.3" (W x H) 13-inch: 203.2 mm x 269.2 mm, 8.0" x 10.6" (W x H)
Resolution	32-inch: 2560 x 1440 pixels 13-inch: 1600 x 1200 pixels
Standard orientation	32-inch: landscape 13-inch: portrait
Contrast ratio (without front-glass)	12:1 in direct sunlight
Viewing angle (without front-glass)	70° horizontal and vertical (typical)
Lighting	Edge-mounted light pipe, low power Automatically activated based on ambient light level or motion detection
Display Response Time	Less than 1.5 seconds (temperature dependent)
Optional Audio Output	
Languages	English and Spanish Other languages available, contact Luminator for more information
Technology	Optional ADA-compliant text-to-speech speaker and software
Level	Operator-set
Audio Trigger	Push-button activation with speaker
Anti-Vandalism Features	
Security Components	Multi-layer safety glass and locking door with internal hinges All external fasteners are keyed and require special tool to remove
Content Management Software	
Applications	Luminator PaCIM content management system Hosted remotely, manages all display functions
Electrical properties	
Operating voltage	97 - 130 VAC, 47 - 63 Hz power via UL-approved adaptor OR via optional solar panel/battery pack
Power consumption	0.5 to 5 watts depending on operating conditions
Solar	Combination solar panel / 20W battery pack may be mounted up to 14 ft (4.5 m) away from sign using included cable

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TECHNICAL DATA

Interfaces	
Cellular	4G/LTE cellular
Ethernet	Ethernet IEEE 802.3ab with external waterproof connector Operates only on AC-powered signs
Audio output	Optional; provided by combined text-to-speech activation button and speaker Speaker volume set in software by operator
Mechanical properties	
Weight	32-inch: 44 lbs (20 kg) 13-inch: 11 lbs (5 kg)
Dimensions	32-inch: 800.1 mm x 490.2 mm x 68.6 mm, 31.5" x 19.3" x 2.7" (W x H x D) 13-inch: 297.2 mm x 375.9 mm x 68.6 mm, 11.7" x 14.8" x 2.7" (W x H x D)
Housing	Aluminum
Finishing	Powder-coated matte finish, black
Screen Colors	Black, white, dark gray, light gray
Mounting	Pole or structure
Glass	Multi-layer safety glass, UV and anti-reflection coatings
Ambient conditions	
Operating temperature	-15° to 50°C (5° to 122°F)
Storage temperature	-25° to 60°C (-13° to 140°F)
Humidity tolerance	10% to 95% relative humidity, non-condensing
Ingress Protection	IP 54
Impact Protection	IEC 62262 IK-10 32-inch: Can Withstand > 80 joules 12-inch: Can Withstand > 20 joules
Cooling	Air cooled, automatically controlled
Approvals	
FCC	FCC (Part 15)
CE	Directives 2014/35/EU (Low Voltage Directive) and 2014/53/EU
Combination solar panel/battery pack (optional)	
Dimensions	481 mm x 345 mm x 190 mm, 18.9" x 13.6" x 7.5" (W x H x D)
Weight	23 lbs (10.5 kg)
Battery capacity	576 watt-hours
Maximum power output	20 watt
Mount type	Pole or structure-mounted
Accessories	
AC adaptor (UL approved)	Part No. 800374-084
Power Cable	Part No. 801636-001
Combination solar panel/battery pack, pole-mounted, 20 watt	Part No. 511444-001
Text-to-speech activation button, speaker, and software	Part No. 511443-001
ADA-approved Braille text-to-speech placard, 5 x 7 inches	Part No. 801605-003

Product enhancements are frequent, please contact
your local representative for current model specs.

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