ARCHASOL
an Archatrak Company

DIGITAL BUS STOP | INFORMATION BOARDS

DESCRIPTION

An e-paper, full-stack solution for displaying real-time bus arrivals, service notifications and site-specific information on a city-wide basis. Energy efficient e-paper displays operate completely independently from the electrical supply networks, enabling information boards to be quickly and easily installed at any location along a public transport route. Only requires small overhead solar panels, primarily to provide nighttime illumination of the displays.

All data is updated in real time via the cellular network and the integrated modem in each unit.

The fully sealed units are IP67 compliant, dust-tight and waterproof, with vandal resistant toughened safety glass face.

URBAN DUAL

URBAN

FEATURES

- Operates independent of mains power supply - powered only by solar energy.

- Unaffected by power outages - uninterrupted operation in all weather conditions.

- Arrival times and service information updated in real time via the cellular network.

- Daylight readable, front illumination for visibility in the dark.

- Ultra-low power consumption - uses energy only when updating content and for night lighting.

- 99% more power efficient than comparable LCD or LED technologies.

- Fully customizable for larger deployments - colors, branding, battery, solar cells, front light.

- Extended temperature range option available to extend operational functionality down to -4 F.

SPECIFICATIONS

DISPLAY

URBAN	Single 13.3" electronic paper screen
URBAN DUAL	Two 13.3" electronic paper screens
VISIBILITY	1600 × 1200 pixels, 16 level greyscale, 180° viewing angle
LED LIGHT	Integrated front light for night viewing
REFRESH RATE	250 msec (1-Bit) typical, adaptive waveform to ambient temperature
OPERATION TEMP.	32°F to +122°F.
NON-OPERATING TEMP.	-13°F to -158°F.
SCREEN PROTECTOR	4 layers

SOLAR CELL MODULE

POWER	Urban: 12V @ 20W Urban Dual: 12V @ 40W
BATTERY	70 Ah Lithium Iron Phosphate (LiFePO4)
BATTERY LIFE	~30 days without solar charge

DIMENSION & WEIGHT

URBAN	Height: 17 in. Width: 9.5 in. Depth: 3 in. Weight: 9 lb.
URBAN DUAL	Height: 30.5 in. Width: 9.5 in. Depth: 3 in. Weight: 20 lb.

CASING

COLOR	Light blue (std.)
WEATHER PROTECTION	IP67 compliant - dust-tight and waterproof
IMPACT DETECTION	Internal accelerometer
GLASS CASING	6 mm toughened Grade A safety glass
MOUNTING	Standard mount for 60 mm fluted/unfluted pole

CONNECTIVITY

MOBILE WIRELESS	2G / 3G / 4G. Micro SIM card (required subscription with internet provider)
SOFTWARE	2 months of free server hosting with Visionect software