

uink

Monochrome E-Paper Display

VB097 & VB133 Series

Introduction

The VB097 & VB133 Series are high-contrast monochrome e-paper displays designed for diverse indoor and outdoor signage applications. With ultra-low power consumption and flexible connectivity, you can enjoy reliable performance with minimal maintenance. Choose between rechargeable and non-rechargeable battery options to fit your installation needs. These displays bring you a sustainable, long-lasting display solution that keeps communication clear, simple, and eco-friendly.

Key Features



Sharp Monochrome Display

Clear B/W visuals, wide viewing angles, sunlight-readable.



Flexible Content Updates

Full refresh on all models; partial refresh on select models.



Durable & Reliable

IP65 dust- and water-resistant (selected models).



Wireless Management

Simple remote management via uink RMS Platform & mobile app.



Versatile Connectivity

Wi-Fi, BLE, LoRa, Cat.1.



Ultra-Low Power, Long Standby

Up to 3 years of operation depending on model and usage.

Applications



Healthcare & Hospital

Patient info | Doctor schedules | Queue info | Announcements | etc.



Education & Campus

Class schedules | Notices | Events | Room availability | etc.



Business & Office

Meeting room bookings | Internal notices | Company announcements | Wayfinding | etc.



Resort & Hotel

Room status | Guest info | Event schedules | Directions | etc.



Logistics & Factory

Production instructions | Inventory status | Shipment info | Safety notices | etc.



Transportation & Outdoor

Arrival/departure times | Platform info | Route maps | Public notices | etc.



Dining & QSR

Menu boards | Daily specials | Queue status | Promotions | etc.

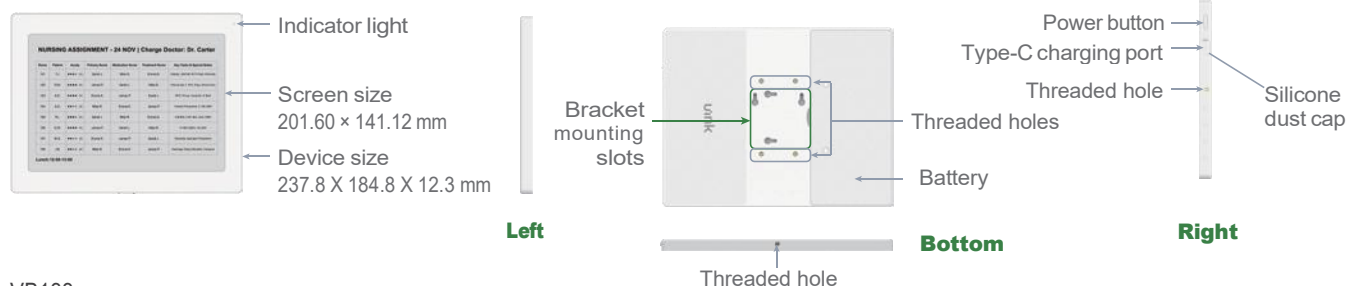


Retail & Market

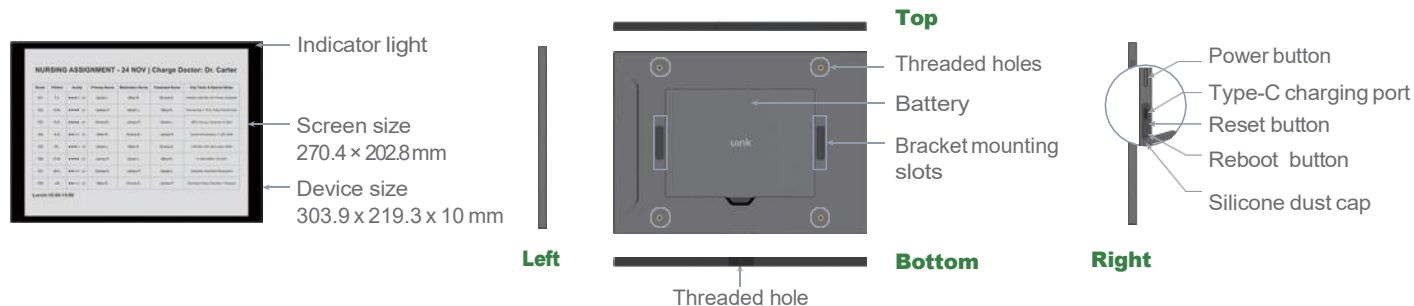
Promotions | Product info | Store navigation | etc.

Product Overview

VB097 :



VB133 :



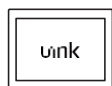
Specifications

Display	Series	VB097	VB133
	Screen Size	9.7-inch	13.3-inch
	Display Color	Black, White	
	Active Zone (H × V)	201.60 × 141.12 mm	270.4 × 202.8 mm
	Pixel Pitch	0.210 × 0.210 mm	0.169 × 0.169 mm
	Resolution	960 × 672 pixels	1600 × 1200 pixel
	Visual Angle	178°	
	Orientation	Landscape / Portrait	
	PPI	121	150
	Contrast	Min 15 Typ. 22	Min 15 Typ. 20
	Response Time	Typ. 4 s	
	Refresh Mode	Partial / Fast / Full	Fast / Full
Built-in System	Data Transmission Interface	Type-C, NFC*	
	SD Card Slot	Supported	
	Network Interface	Wi-Fi & BLE (LoRa / Cat.1 optional)	
Power	Battery Type	4330 mAh 3.8 V (Rechargeable) / 15000 mAh 3 V (Non-Rechargeable)	5000 mAh 3.8 V (Rechargeable) / Optional: 15000 mAh 3 V (Non-Rechargeable)
	Battery Life (Rechargeable)	10 months (3 refreshes / day)	9 months (3 refreshes / day)
	Battery Life (Non-Rechargeable)	36 months (3 refreshes / day)	30 months (3 refreshes / day)
	Operating Temperature	0 - 50 °C	-15 ~ 65 °C
Environmental	Operating Humidity	40 - 70 % RH	
	Product Dimension (H × V × D)	237.8 × 184.8 × 12.3 mm	303.9 × 219.3 × 10 mm
Physical	Net Weight	568 g	737 g
	Casing Color	White / Black	
	Built-in Buttons	Reset, Reboot	/
	External Buttons	Power button	Power button + Reset + Reboot
	Installation	Bracket / Adhesive	

*Available in future software updates.

Package Contents

VB097 :



E-Paper × 1



Power cable × 1



Screw set × 1



Rear bracket × 1

VB133 :



E-Paper × 1



Power cable × 1



Screw set × 1



Rear bracket × 1



(Optional) Adhesive brackets × 8

Installation Methods Mounting accessories and installation methods vary by model.

	VB097	VB133
Included Mounting Accessories	Rear bracket	1.Rear bracket (different design from VB097) 2.Adhesive brackets × 8 (for glass installation) · Corner brackets × 4 · Edge brackets × 4
Installation Methods	Bracket-mounted  Anti-theft rear bracket	1. Bracket-mounted  Anti-theft rear bracket 2. Glass-mounted (8 brackets included. Arrange freely.)  2 edge + 2 corner brackets Easy take-out  4 corner brackets Fixed mount Anti-theft Adhesive brackets

Ordering Info for VB097X / VB133X

Variant	Network Interface			Rechargeable Battery
	Wi-Fi+BLE	LoRa	Cat. 1	
A	√			√
B	√	√		√
C	√		√	√
D	√			
E	√	√		
F	√		√	

*X denotes variant code and is not part of the actual orderable model number.

Recommended Accessories



uink Gateway
(with built-in server)



uink RMS
Platform



uink App