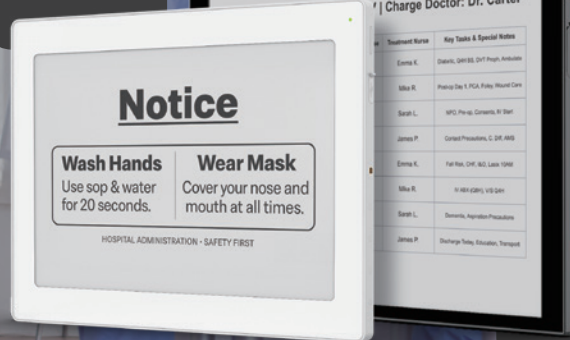


uink

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 protection.



Wireless Content Updates

Simple remote management via uink Cloud & App.



Versatile Connectivity

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



Ultra-Low Power, Long Standby

Up to 3.5 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

Roomstatus | 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.

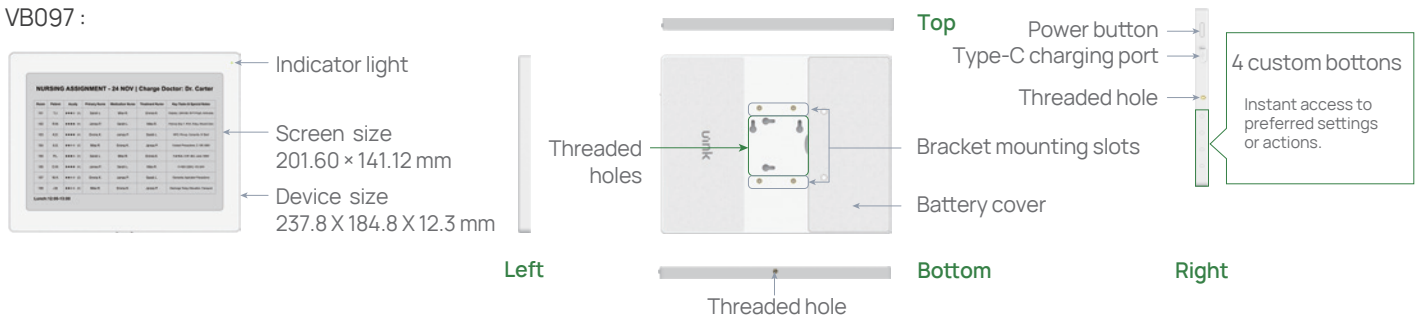


Retail & Market

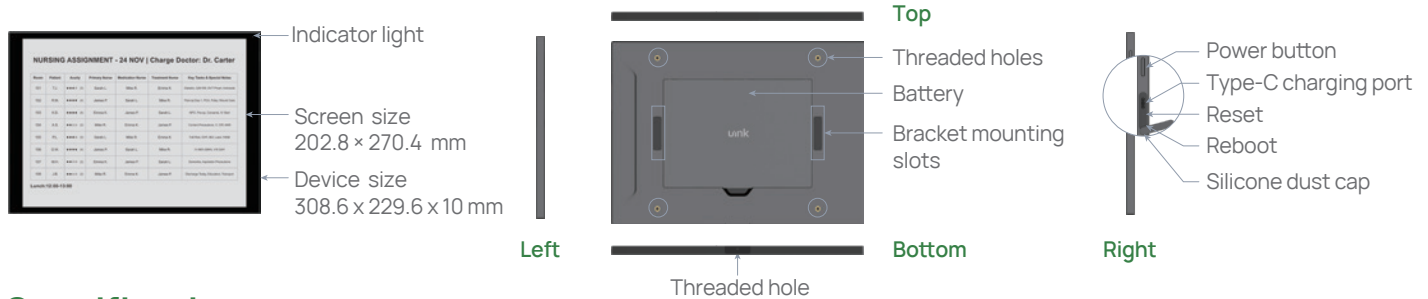
Promotions | Product info | Store navigation | etc.

Product Overview

VB097 :



VB133 :



Specifications

| | Series | VB097 | VB133 |
|-------------------|----------------------------------|--|-------------------------------|
| Display | Screen Size | 9.7-inch | 13.3-inch |
| | Display Color | Black, White | |
| | Active Zone (H × V) | 201.60 × 141.12 mm | 202.8 × 270.4 mm |
| | Pixel Pitch | 0.210 × 0.210 mm | 0.169 × 0.169 mm |
| | Resolution | 960 × 672 pixels | 1600 × 1200 pixels |
| | Visual Angle | 178° | |
| | Orientation | Landscape / Portrait | |
| | PPI | 121 | 88 |
| | Contrast | Min 15 Typ. 22 | Min 15 Typ. 20 |
| | Response Time | Typ. 4 s | |
| | Refresh Mode | Partial / Full | Full |
| | Built-in System | Data Transmission Interface | Type-C, NFC |
| SD Card Slot | | Supported (SD card sold separately) | |
| Network Interface | | Wi-Fi & BLE (LoRa / Cat.1 optional) | |
| Power | Battery Type | 5000 mAh 3.7 V (Rechargeable) / 15000 mAh 3 V (Non-Rechargeable) | |
| | Battery Life (Rechargeable)* | 1.5 years | |
| | Battery Life (Non-Rechargeable)* | 3.5 years | |
| Environmental | Operating Temperature | 0 - 50°C | |
| | Operating Humidity | 40 - 70 % RH | |
| Physical | Product Dimension (H × V × D) | 237.8 × 184.8 × 12.3 mm | 308.6 × 229.6 × 10 mm |
| | Net Weight | 568 g | 750 g |
| | Casing Color | White / Black | |
| | Built-in Buttons | Reset, BLE wake-up | / |
| | External Buttons | Power button+ 4 custom buttons | Power button + Reset + Reboot |
| | Installation | Bracket | Bracket / Adhesive |

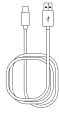
*3 refreshes / day

Package Contents

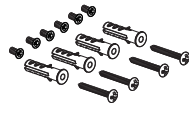
VB097 :



E-Paper × 1



Power cable × 1



Screw set × 1

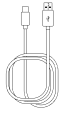


Rear bracket × 1

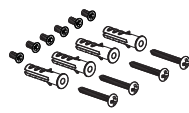
VB133 :



E-Paper × 1



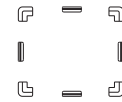
Power cable × 1



Screw set × 1


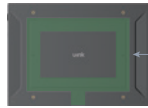




Rear bracket × 1



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) <ul style="list-style-type: none"> · Corner brackets × 4 · Edge brackets × 4 |
| Installation Methods | Bracket-mounted  Rear bracket | 1. Bracket-mounted  Rear bracket 2. Glass-mounted (8 brackets included. Arrange freely.)  2 edge + 2 corner brackets Easy take-out  4 corner brackets Fixed mount Adhesive brackets |

Ordering Info for VB097X / VB133X

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

Recommended Accessories



uink Gateway
(with built-in server)



uink Cloud



uink App

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