

Uink Full-Color E-Paper Display

VE100, VE133, VE253 & VE315 Series



Introduction

The VE100, VE133, VE253, and VE315 Series are vivid full-color e-paper displays designed for a wide range of indoor and outdoor signage applications. Delivering rich, high-contrast visuals with exceptional readability, they bring dynamic color expression and clarity to every environment. With ultra-low power consumption, versatile connectivity, and durable construction, these displays offer a reliable and eco-friendly solution for modern visual communication.

Key Features



Full-Color E6 Technology
Vivid colors for dynamic visuals.



High Resolution & Clarity
Up to 200 PPI sharp and detailed content



Durable & Reliable
IP65 dust- and water-resistant (selected models).



Wireless Content Updates
Simple remote management via uink Cloud & App.



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



Year-Long Standby
Up to 3 years of operation depending on model and usage.

Applications

By Industry Scenario



Healthcare & Hospital
Patient room signage | Department navigation | Queue info | etc.



Education & Campus
Class schedules | Lecture announcements | Event boards | etc.



Business & Office
Meeting room displays | Employee directory | Floor guidance | etc.



Resort & Hotel
Guest info display | Event schedules | Room status boards | etc.



Logistics & Factory
Production dashboards | Equipment status | Safety instructions | etc.



Transportation & Outdoor
Arrival/departure info | Route maps | Bus/train stop displays | etc.



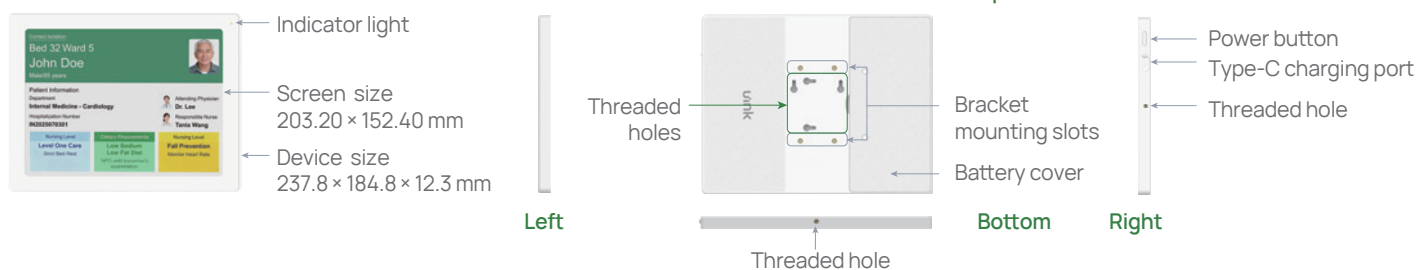
Dining & QSR
Menu boards | Daily specials | Promotions | Queue displays | etc.



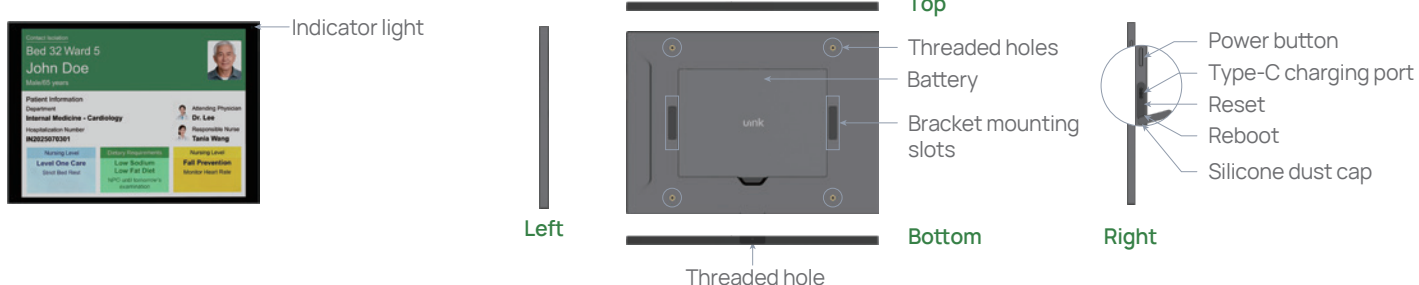
Retail & Market
Promotional signage | Product highlights | Store navigation | etc.

Product Overview

VE100 :



VB133/VE253/VE315 :

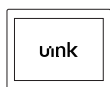


Specifications

	Series	VE100	VE133	VE253	VE315
Display	Screen Size	10-inch	13.3-inch	25.3-inch	31.5-inch
	Display Color	Black, White, Yellow, Red, Green, Blue			
	Active Zone (H × V)	203.20 × 152.40 mm	270.4 × 202.8 mm	560 × 315 mm	696.32 × 391.68 mm
	Pixel Pitch	0.127 × 0.127 mm	0.169 × 0.169 mm	0.175 × 0.175 mm	0.272 × 0.272 mm
	Resolution	1600 × 1200 pixels		3200 × 1800 pixels	2560 × 1440 pixels
	Visual Angle	178°			
	Orientation	Landscape / Portrait			
	PPI	200	150	145	94
	Contrast	Min 15 Typ. 22			
	Response Time	Typ. 27 s	Typ. 12 s	Typ. 15 s	
Interface	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)		3500 mAh 16.8 V (Rechargeable)	
	Battery Life (Rechargeable)	1 year (3 refreshes / day)		1.6 years (1 refresh / day)	2.5 years (1 refresh / day)
	Battery Life (Non-Rechargeable)	3 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	303.9 × 219.3 × 10 mm	608 × 364 × 34.5 mm	747 × 442 × 34.5 mm
	Net Weight	500 g	737 g	4500 g	8350 g
	Casing Color	White / Black			
	Built-in Buttons	Reset, BLE wake-up	/	/	/
	External Buttons	Power button	Power button + Reset + Reboot		
	Installation	Bracket	Bracket / Adhesive		

Package Contents

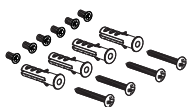
VE100 :



E-Pape × 1



Power cable × 1



Screw set × 1



Rear bracket × 1

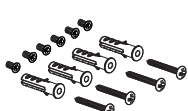
VE133/253/315 :



E-Paper × 1



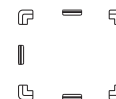
Power cable × 1



Screw set × 1







Rear bracket × 1



Adhesive brackets × 8

Installation Methods Mounting accessories and installation methods vary by model.

	VB097	VE133/253/315
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 VE100X / VE133X

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.

Ordering Info for VE253X / VE315X

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

Recommended Accessories

