

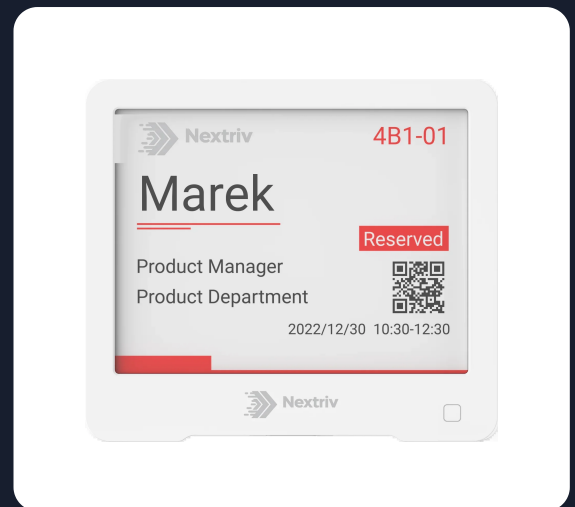
Nextriv Display Signage

Wireless e-ink signage display

NX-DS-SIGN

Nextriv Display

A wireless 4.2" e-ink display for dynamic signage: content is updated remotely over long-range radio and the image stays visible with no power. Three pigment colours (black, white, red), a 400 × 300 px resolution and an approx. 180° viewing angle deliver paper-like readability. Room signs, warehouse and price labels with no cables and no printing — plus live readings from any sensor in the Nextriv system. Three replaceable coin-cell batteries last for up to approx. 5 years.



4.2"

three-colour e-ink display

up to 5 yrs

battery life

400 × 300 px

resolution (119 DPI)

~15 km

open-terrain range

Key features

- Bistable 4.2" e-ink display (400 × 300 px, 119 DPI) — the image stays visible with zero power draw
- Three pigment colours: black, white and red — high contrast and an approx. 180° viewing angle
- Remote and local content changes: text, images and QR codes in customisable templates
- Displays approx. 150 languages — Latin, Cyrillic and Greek alphabets, Chinese, Japanese and Korean characters
- Bulk updates (multicast) — one command changes the content of an entire fleet of displays
- Open API for integration with booking systems, WMS and ERP; live readings from sensors in the Nextriv system
- Up to approx. 5 years on three replaceable CR2450 coin-cell batteries
- Configuration over NFC from a smartphone or remotely from the platform (downlink); screen button and built-in buzzer

Technical specification

Display

Screen	4.2" e-ink, three-colour: black / white / red; bistable — the image persists without power
Resolution	400 × 300 px (119 DPI)
Viewing angle	approx. 180°
Refresh time	approx. 16 s (at 10...40 °C)
Supported scripts	Latin, Cyrillic and Greek alphabets, Chinese, Japanese and Hangul characters
Display languages	up to approx. 150 languages, incl. English, Spanish, French, Japanese, Portuguese (excl. Hebrew, Arabic and Thai) [2]

Radio connectivity

Technology	long-range, low-power radio (LPWAN)
Radio band	EU868 (EU); regional variants: US915, AU915, AS923, IN865, KR920, RU864
Tx power	up to 16 dBm (EU868)
Receiver sensitivity	down to -137 dBm
Antenna	internal
Device-gateway range	up to approx. 2 km in built-up areas / approx. 15 km in open terrain
Communication	two-way — device status to the platform, content and configuration via downlink
Command reception	in scheduled time slots (default) or right after a device transmission

Controls and indicators

Buttons	1× screen button + 1× reset button (internal)
Buzzer	1× built-in

Device features

Content	text, images and QR codes; customisable display templates
Bulk updates	multicast — remote content change across many displays with one command
Integrations	open Nextriv platform API — booking systems, WMS, ERP; live readings from sensors in the system
Configuration	mobile app over NFC; remotely via platform downlink

Power	
Batteries	3× lithium CR2450 coin cell, 590 mAh, replaceable
Battery life	approx. 5 years (1 refresh per day, commands after a transmission) / approx. 1.2 years (12 refreshes per day, scheduled receive slots) [1]

Enclosure and operating environment	
Operating temperature	0...40 °C (32...104 °F)
Ambient humidity	0...95 % RH, non-condensing (below 25 °C)
Ingress protection	IP30 (indoor use)
Housing	ABS + PC, white
Weight	95.2 g (batteries included)
Dimensions	99 × 87 × 10.5 mm (3.90 × 3.43 × 0.41 in)
Mounting	wall mounting — industrial 3M tape or screws

Compliance and approvals	
Approvals	CE, FCC
Environmental	RoHS

Ordering information	
Product code (SKU)	NX-DS-SIGN
Variants	regional radio-band variant — specify when ordering
System requirement	a Nextriv Hub gateway (e.g. NX-GW-MINI, NX-GW-PRO)

[1] Battery life determined under laboratory conditions — indicative value; the actual time depends on the number of refreshes, the command-reception mode and radio conditions. Prolonged operation at 0...10 °C shortens battery life.

[2] Contact us to confirm support for a specific language.

Specifications are subject to change without notice. The latest document versions are available in the download centre: nextriv.com/files. Questions: nextriv.com/contact.