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LANCOM Wireless ePaper Displays

Radio-controlled ePaper displays for a modern labeling

- Comfortable, wireless updates via LANCOM L-322E Wireless and LANCOM L-151E Wireless
- Available in three sizes: 7.4", 4.4", and 2.7"
- Daylight-readable and fully graphics-compatible
- Battery lifetime of up to 5 – 7 years due to extremely low power consumption
- Comfortable display management via LANCOM Wireless ePaper Server
- Ideal for the connection to calendar management and ERP systems
- Including table holders, wall bracket, as well as white and black clip-on frames

LANCOM Wireless ePaper Displays provide a modern, digital labeling for a multitude of applications. On top of that, the innovative LANCOM access points of the E series enables a professional WLAN coverage combined with the wireless update of these radio-controlled, battery-powered displays. The update of LANCOM Wireless ePaper Displays is based on an innovative radio technology with extremely low power consumption. With this world's first innovation and the active prevention of interferences in the radio field, a battery lifetime of 5 – 7 years is enabled (at four changes per day on average). LANCOM Wireless ePaper Displays guarantee a flicker-free view from any angle. Hence all contents are perfectly readable in ambient light. The management and monitoring of the Wireless ePaper Displays takes place via the powerful LANCOM Wireless ePaper Server including interfaces (API) for the connection to calendar management and ERP systems.

LANCOM Wireless ePaper Displays

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| Functionalities | |
| Wireless ePaper Display technology | Fully graphics-compatible e-ink technology |
| Security | |
| Encryption | 128 bit AES encryption with secure key exchange |
| Management | |
| Wireless ePaper Display management | Contents of LANCOM Wireless ePaper Displays are centrally updated via the LANCOM Wireless ePaper Server. It manages and monitors the access points as well as all licensed Wireless ePaper Displays. |
| Hardware | |
| Measurements | <ul style="list-style-type: none"> ■ LANCOM WDG-1 2.7" - 8.5 x 5.0 x 1.6 cm ■ LANCOM WDG-1 4.4" - 11.5 x 8.8 x 1.7 cm ■ LANCOM WDG-1 7.4" - 18.6 x 12.5 x 1.9 cm |
| Weight | <ul style="list-style-type: none"> ■ LANCOM WDG-1 2.7" - 50 g ■ LANCOM WDG-1 4.4" - 104 g ■ LANCOM WDG-1 7.4" - 239 g |
| Active display area | <ul style="list-style-type: none"> ■ LANCOM WDG-1 2.7" - 57.29 x 38.19 mm ■ LANCOM WDG-1 4.4" - 89.60 x 67.20 mm ■ LANCOM WDG-1 7.4" - 161.60 x 96.96 mm |
| Display resolution | <ul style="list-style-type: none"> ■ LANCOM WDG-1 2.7" - 264 x 176 px ■ LANCOM WDG-1 4.4" - 400 x 300 px ■ LANCOM WDG-1 7.4" - 800 x 480 px |
| Pixel density | <ul style="list-style-type: none"> ■ LANCOM WDG-1 2.7" - 117 dpi ■ LANCOM WDG-1 4.4" - 113 dpi ■ LANCOM WDG-1 7.4" - 126 dpi |
| Colors | 1-bit (monochrome) |
| Viewing angle | ~180° |
| Memory slots / pages | <ul style="list-style-type: none"> ■ LANCOM WDG-1 2.7" - 8 pages ■ LANCOM WDG-1 4.4" - 4 pages ■ LANCOM WDG-1 7.4" - 13 pages |
| Maximum number of updates | <ul style="list-style-type: none"> ■ LANCOM WDG-1 2.7" - 5000 display updates per hour ■ LANCOM WDG-1 4.4" - 3000 display updates per hour ■ LANCOM WDG-1 7.4" - 500 display updates per hour |
| Temperature range | 0 - 45 °C |
| Battery lifetime | <ul style="list-style-type: none"> ■ LANCOM WDG-1 2.7" - 5 Jahre (4 display updates / day) ■ LANCOM WDG-1 4.4" - 5 Jahre (4 display updates / day) ■ LANCOM WDG-1 7.4" - 5 Jahre (8 display updates / day) |
| IP class | IP54 |
| Conformity | |
| Declaration of conformity | For the declaration of conformity, see the product page on our website www.lancom-systems.de/en |
| Accessories | |
| LANCOM L-322E Wireless | Quad radio access point with 2 radio modules based on IEEE 802.11n (parallel operation at 2.4 GHz and 5 GHz) for up to 300 Mbps, integrated radio module for controlling Wireless ePaper Displays, built-in iBeacon technology, IEEE 802.3af PoE. Item no. 61576 (EU), 61582 (UK) |
| LANCOM L-151E Wireless | Access point with WLAN based on IEEE 802.11n (2.4 GHz frequency band) with up to 150 Mbps, integrated radio module for controlling Wireless ePaper Displays, support of iBeacon technology, IEEE 802.3af PoE. Item no. 61577 (EU), 61581 (UK) |
| LANCOM Wireless ePaper Server | Central server for the operation of LANCOM Wireless ePaper infrastructures, with interface (API) for connection to ext. calendar management systems (Exchange/Domino/iCalendar) and ERP systems, image upload. Item no. 62201 (License S +1/+50) Item no. 62202 (License M +5/+500) Item no. 62203 (License L +10/+1000) |
| Additional accessories | More accessories, e.g. mounting rails, coloured cover frames, adaptors etc. can be ordered from our partner imagotag GmbH (www.imagotag.com). |
| Item numbers | |
| LANCOM WDG-1 2.7" | 2.7" LANCOM Wireless ePaper Displays, updates via radio with LANCOM access points of the E series, fully graphics-compatible and daylight-readable, battery life of 5-7 years, incl. white and black clip-on frames and table holders. Item no. 62213 (Bulk 5) |
| LANCOM WDG-1 4.4" | 4.4" LANCOM Wireless ePaper Display, updates via radio with LANCOM access points of the E series, fully graphics-compatible and daylight-readable, battery life of 5-7 years, incl. white and black click-on frame, table holders, and wall bracket. Item no. 62211, 62214 (Bulk 5) |
| LANCOM WDG-1 7.4" | 7.4" LANCOM Wireless ePaper Display, updates via radio with LANCOM access points of the E series, fully graphics-compatible and daylight-readable, battery life of 5-7 years, incl. white and black click-on frame, table holders, and wall bracket. Item no. 62212, 62215 (Bulk 5) |

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