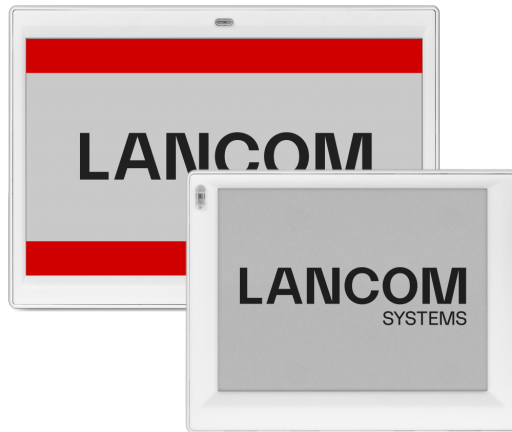**LANCOM**
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LANCOM Wireless ePaper Displays (WDG-3)

Radio-controlled modern signage

The versatile LANCOM Wireless ePaper Displays enable innovative signage applications in a wide range of industries. Thanks to their modern design, they fit perfectly into any environment. The battery-powered displays, having an extremely low power consumption, are controlled via radio. Displayed content is visible and perfectly readable at any time and from any angle. The LANCOM Wireless ePaper Server enables convenient management and monitoring of the Wireless ePaper Displays. And thanks to the corresponding interface (API), information for instance from calendar management and merchandise management systems can be shown on the display almost in real time. Moreover, color highlights offer the possibility to stress specific aspects.

→ Automatic updates via LANCOM Wireless ePaper Server

→ Available in two sizes: 7.4", 4.2"

→ Display in black, white, and red

→ Simplistic design and integrated LED

→ Perfect readability and capability to display graphics

→ Wall-mounting bracket and stand included

→ Longevity of batteries and easy battery change

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LANCOM Wireless ePaper Displays (WDG-3)

Available in two sizes (7.4", 4.2") for your IoT applications

The LANCOM Wireless ePaper Displays (WDG-3) are available in two sizes: 7.4" and 4.2". These formats are ideal for a wide range of applications in numerous industries. Whether for room signage of meeting and conference rooms, for room labeling in hospitals, as reservation information in the hospitality sector, or for price labeling in retail – LANCOM Wireless ePaper Displays offer you a wide and flexible field of application.

Automatic updates via LANCOM Wireless ePaper Server

Thanks to the convenient software, the LANCOM Wireless ePaper Server, The LANCOM Wireless ePaper Displays can be controlled centrally. Updates take place automatically as the appropriate interfaces allow data to be shown on the battery-powered display almost in real time. For instance, information from ERP systems or data from calendar-management systems such as Domino, iCalender, and Office 365 for room signs can thus be transferred directly to the ePaper Displays. Not only can be displayed ongoing meetings and their participants but also subsequent appointments and their times. Being always up to date, signage at the meeting-room doorways offers genuine informational value and creates full transparency.

Modern design, highlights in color and integrated LED

Content can be displayed in three different colors on the third-generation Wireless ePaper Displays; black, white, and red. The modern display therefore fits perfectly into any environment, while simultaneously offering the opportunity to highlight messages. Moreover, the WDG-3 displays are equipped with an integrated LED, which is freely programmable and can thus be used to signal, for instance, image changes.

Perfect readability and capability to display graphics

The Wireless ePaper Displays are suitable for daylight and fully capable of displaying graphics. The anti-glare display also minimizes reflections, ensuring best readability regardless of lightning conditions and viewing angle.

Bracket and stand included

Brackets for mounting the LANCOM Wireless ePaper Displays on a wall are supplied. It is also possible to use the ePaper Displays on tables or showcases using the included stands.

Longevity of batteries and easy battery change

Due to their extremely low power consumption and active avoidance of interferences in the wireless field the batteries used in the LANCOM Wireless ePaper Displays last up to 5 years (with updates on average 1 - 2 times per day). There is no need for costly and time-consuming cable installations. As the used batteries are single standard button cells, they can be changed easily and life cylce costs have been reduced significantly.

LANCOM Wireless ePaper Displays (WDG-3)

Features

Wireless ePaper Display technology	Fully graphics-compatible e-ink technology

Security

Encryption	128 bit AES encryption with secure key exchange

Management

Wireless ePaper management	The LANCOM Wireless ePaper Displays are centrally managed and monitored via a dedicated user interface. The user interface can be started easily through the free management tool LANconfig.

Hardware

Measurements	→ LANCOM WDG-3 4.2" - 10.45 × 8.25 × 1.22 cm (without LED, LED height 1.4 mm) → LANCOM WDG-3 7.4" - 17.53 x 12.34 x 1.22 cm (without LED, LED height 1.4 mm)
Weight	→ LANCOM WDG-3 4.2" - 80 g → LANCOM WDG-3 7.4" - 175 g
Active display area	→ LANCOM WDG-3 4.2" - 84.80 x 63.60 mm → LANCOM WDG-3 7.4" - 161.60 x 97.00 mm
Display resolution	→ LANCOM WDG-3 4.2" - 400 x 300 px → LANCOM WDG-3 7.4" - 800x 480 px
Pixel density	→ LANCOM WDG-3 4.2" - 120 dpi → LANCOM WDG-3 7.4" - 126 dpi
Colors	black/white/red
Viewing angle	~180°
Memory slots / pages	→ LANCOM WDG-3 4.2" - 4 pages → LANCOM WDG-3 7.4" - 4 pages
Maximum number of updates	→ LANCOM WDG-3 4.2" - 3100 display updates per hour → LANCOM WDG-3 7.4" - 1100 display updates per hour
LED	1 x White and 1 x RGB LED
Temperature range	10 - 40°C
Battery	→ LANCOM WDG-3 4.2" - 3 x CR2450 → LANCOM WDG-3 7.4" - 4 x CR2450
Battery lifetime	→ LANCOM WDG-3 4.2" - 5 years (2 display updates / day) → LANCOM WDG-3 7.4" - 5 years (2 display updates / day)

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LANCOM Wireless ePaper Displays (WDG-3)

Hardware

Warranty	2 years

Conformity

Declaration of conformity	The full text of the specific Declaration of Conformity is available at the following Internet address: www.lancom.com/doc/

Accessories

LANCOM LN-1700UE	Dual radio access point based on IEEE 802.11ac Wave 2 (1,733 Mbps) & IEEE 802.11n (450 Mbps), par. operation in 2.4 & 5 GHz, 4x4 MIMO, 2x GE, 1x USB, 802.3at PoE, WPA3, control of Wireless ePaper Displays, int. antennas, without power supply and cable. Item no. 61801(EU), 61802(WW), 61803 (Bulk 10)
LANCOM LN-830E Wireless	Quad-radio access point with WLAN based on IEEE 802.11ac (867 Mbps) & IEEE 802.11n (300 Mbps), parallel operation in 2.4 and 5 GHz, int. radio module for controlling Wireless ePaper displays, built-in iBeacon technology, IEEE 802.3af PoE. Item no. 61747(EU), 61748(UK)
LANCOM Wireless ePaper USB	USB extension module for controlling LANCOM Wireless ePaper Displays via radio, supports LANCOM routers and access points with USB port, incl. 3 m USB extension cord and bracket for ceiling and wall mounting. Item no. 62225
LANCOM Wireless ePaper Server License Pro	Central server for operating Wireless ePaper infrastructures, interface (API) for connection to ext. calendar management- (Domino/Google Calendar/Office 365) and ERP systems, add. license for +1000 displays and an unlimited number of APs. Item no. 62204

Item number(s)

LANCOM WDG-3 7.4" (Bulk 5)	62234, 5 pcs. LANCOM WDG-3 7.4", updates via radio with LANCOM access points of the E series, fully graphics-compatible and sunlight readable, display of colors black, white and red, integrated LED, incl. table holders and wall bracket
LANCOM WDG-3 7.4"	62231, updates via radio with LANCOM access points of the E series, fully graphics-compatible and sunlight readable, display of colors black, white and red, integrated LED, incl. table holders and wall bracket
LANCOM WDG-3 4.2" (Bulk 5)	62233, 5 pcs. LANCOM WDG-3 4.2", updates via radio with LANCOM access points of the E series, fully graphics-compatible and sunlight readable, display of colors black, white and red, integrated LED, incl. table holders and wall bracket
LANCOM WDG-3 4.2"	62230, updates via radio with LANCOM access points of the E series, fully graphics-compatible and sunlight readable, display of colors black, white and red, integrated LED, incl. table holders and wall bracket