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LANCOM Wireless ePaper Displays (WDG-2)

Radio-controlled digital signage

Wireless ePaper Displays from LANCOM offer state-of-the-art digital signage for a wide range of applications. The displays are controlled by an innovative wireless technology with extremely low power consumption. They provide flicker-free viewing from any angle. The contents are always visible under artificial lighting. The Wireless ePaper Displays are managed and monitored by the high-performance LANCOM Wireless ePaper Server that comes with an interface (API) for connecting to calendar-management and merchandise-management systems. With the display options of black, white, and red, specific highlights can be presented.

→ Convenient radio-controlled updates via the LANCOM Wireless ePaper Server

→ Available in the size 12.2"

→ Display in black, white, and red

→ Suitable for use in daylight and capable of displaying graphics

→ Battery life up to 5 years

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Convenient, wireless updates via LANCOM Wireless ePaper Server

The LANCOM Wireless ePaper Displays are centrally controlled by a convenient program, the LANCOM Wireless ePaper Server. The appropriate interfaces allow data for room signs to be automatically transferred from calendar-management systems such as Google Calendar, Domino, iCalendar, and Microsoft Office 365. For example, ongoing meetings and their participants can be displayed, as well as subsequent appointments and their times. Signage at the meeting-room doorways is always up to date, offers genuine informational value, and creates transparency.

Display in black, white, and red

The second-generation Wireless ePaper Displays offer three colors; black, white, and red. These new displays are ideal for presenting highlighted messages.

Suitable for daylight and graphics

Suitable for use in daylight, the Wireless ePaper Displays present text and graphics and offer perfect readability from any angle, without reflecting.

Battery life of up to 5 years

Thanks to the extremely low power consumption and active avoidance of interferences the LANCOM Wireless ePaper Displays have a battery life of up to 5 years (with updates on average 1 - 2 times per day), depending on the display type. There is no need for costly cable installations.

Depending on the application, some expertise may be required

Uploading a static image to the Wireless ePaper Display does not require any special knowledge. However, integrating calendar databases or merchandise management systems requires a certain level of expertise.
Find here a detailed list of these requirements.

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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-2 12.2" - 21.83 x 26.58 x 1.99 cm
Weight	→ LANCOM WDG-2 12.2" - 520 g
Active display area	→ LANCOM WDG-2 12.2" - 190.10 x 237.60 mm
Display resolution	→ LANCOM WDG-2 12.2" - 768 x 960 px
Pixel density	→ LANCOM WDG-2 12.2" - 130 dpi
Colors	black/white/red
Viewing angle	~180°
Memory slots / pages	→ LANCOM WDG-2 12.2" - 6 pages
Maximum number of updates	→ LANCOM WDG-2 12.2" - 300 display updates per hour
Temperature range	10 - 40°C
Battery lifetime	→ LANCOM WDG-2 12.2" - 5 years (1 display update / day)
Warranty	2 years

Conformity

Declaration of conformity	For the declaration of conformity, see the product page on our website www.lancom-systems.com

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)

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Accessories

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 LX-6200E Wireless	Quad-radio access point with WLAN based on IEEE 802.11ax (1200 Mbps) at 5 GHz & IEEE 802.11ax (575 Mbps) at 2,4 GHz, parallel operation in 2.4 and 5 GHz, int. radio module for controlling Wireless ePaper displays, built-in iBeacon technology, IEEE 802.3at PoE. Item no. 61833(EU), 61872(WW)
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-2 12.2"	62226, updates via radio with LANCOM access points of the E series, fully graphics-compatible and daylight-readable, battery life of 5 years, incl. white frame and wall mounting.