XT-EF30 AIR BUTTON SENSOR

EF-SERIES

The Nexmosphere XT EF-Series offers sensors in various sizes which are able to detect touchless input from the user. The AirButton feature detects whenever a person's hand either enters or leaves the sensor's detection field, sending both events as a status message to your Digital Signage player, while also being able to register and respond to physical Touch input. The AirGesture feature registers and communicates left, right, up, and -down air swipes. All the inputs from these sensors can be used to trigger events on your Digital Signage installations, for example toggling through menu options or offering product, or -service information without having to touch the screen, the merchandise, or any physical buttons.

XT-EF30

The XT-EF30 features AirButton detection and has a detection area of 90 x 70mm.

Features
• AirButton detection for touchless user input
• Adjustable sensitivity

X-talk
The XT EF-Series sensors can easily be connected to any of the Nexmosphere Xperience controllers using the X-talk interface. All settings of the EF sensor are programmable on the Controller, enabling a seamless integration in your application.
• Plug and smile interface
• Compatible with any Nexmosphere Xperience controller
• Powered by and configurable with Nexmosphere Xperience controller

AirButton detection
• AirButton detects when a person's hand is placed above the sensor (AirButton) or when a hand touches the sensor's surface or its overlaying panel (Touch).
• Multiple sensitivity settings are available to fine-tune the detection range of the sensor to your application

Benefits
• Very thin form factor for easy integration
• Capacitive sensing technology allows for placement behind or below any non-metal surface
• Integrated driver on electrode panel
• Auto-calibration and auto-start for highly reliable applications (24/7)
• Status LED indicating trigger detection

XT-EF30 AIRGESTURE SENSOR

Detection range
• AirButton   110-130mm*

this is the maximum detection distance. The overlaying material and applied sensitivity settings determine the operational detection range in practice.

Electrical Installation specifications
• In order for the sensor to operate responsive and stable, it is required to **earth-ground** the system.*

Nexmosphere offers earth-grounded power supplies and USB split-cables

Mounting specifications
• The sensor can be installed behind or below any non-metal overlaying top panel.
• Top panel thickness: 1- 22mm
• Minimum spacing between multiple sensors: 60mm

Thermal specifications
Operating temperature: +10'C...+40'C/ +50'F ... +104'F
Storage temperature: -20'C...+50'C/ -4'F ... +122'F

Electrical specifications
• Operating voltage: 5V DC (via X-talk interface)
• Power consumption: 60mA
• Operation frequency: 44 - 115Khz

Miscellaneous
• Mounting holes for easy fixation
• 1-year warranty (optional 3-year extended warranty available)

Packaging
Items per carton   1, 10 or 50 pcs

Standards and Certifications

CE
RoHS compliant

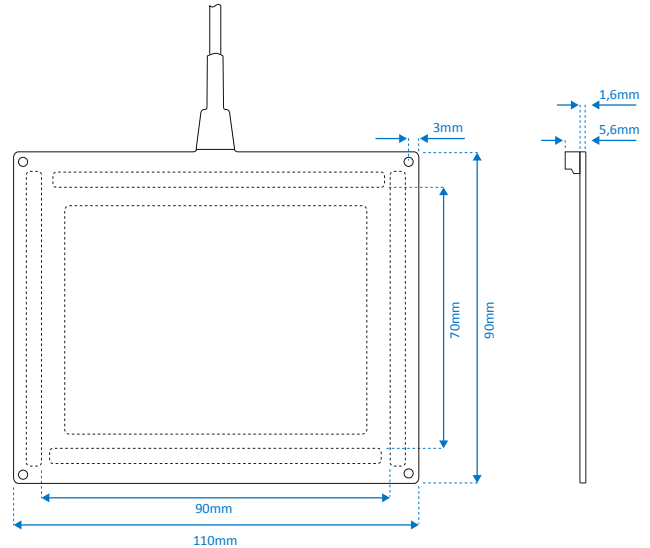### Mechanical dimensions
Electrode LxWxH: 110 x 90 x 1,6 / 5,6 mm
Detection area LxW: 90 x 70 mm
Screw fixation: 104 x 84mm

Ordering information

Product ID	Description	Quantity
XT-EF30	X-Touch, Air button sensor, 110x90mm electrode	1 pc