

## XN-135 XPERIENCE CONTROLLER

### XN range

The Nexmosphere nano range is the smallest encased controller of its kind. It's ultra-small form factor and smart design, make it an ideal product to use in virtually any application where space is a limiting factor and where integration with other systems is achieved. Connect your Nexmosphere Elements of choice, such as presence sensors, pick-up detectors, touch buttons or LEDs, and build your own unique shopper journey; LED lighting that starts glowing when a shopper approaches, product info showed if a product is placed on an "info platform". Whichever interactivity suits your brand's story, create a lasting impression using the XN Xperience controller.



### Features

- 2x X-talk interface for easy sensor connection
- 1x MicroBay for optional MicroModule interface
- USB interface enabling 3rd party product integration

### X-talk interface

Connect a wide range of sensors, buttons, LEDs, or any other of the Nexmosphere Elements to create your own unique shopper experience. Due to auto-configuration, no additional setup is required for seamless operation. The X-talk interface also supports industry standard I/O devices, such as push buttons.

- Plug and smile interface
- Compatible with any of the Nexmosphere Elements
- Providing power to the connected Elements for easy system wiring

### MicroBay

MicroBays allow functionality expansion by adding MicroModules onto the controller\*. MicroModules are highly integrated and cost efficient interfaces for Nexmospheres Elements such as:

- Motion sensors (MM-3)
- Push buttons (MM-4)
- X-Wave LED control (MM-8L)

*\*MicroModules are assembled onto the controller by Nexmosphere.*

### USB interface

The industry standard USB interface allows 3rd party product interfacing. The Xperience controller manifests itself as a USB-to-Serial converter and is compatible with all mainstream operating systems and Digital Signage players.

In applications with low current requirements, no additional power supply is needed, reducing the need for a separate power connection in your set-up. When higher currents are drawn, our specially designed split cable is used.

- Reliable high-speed USB serial communication
- Easy interfacing with 3rd party products
- No special drivers needed

### X-Script API

The X-Script API runs on the controller by default. All connected Elements and system behavior can be controlled with our standardized API commands.

### Benefits

- Auto start-up and configuration for highly reliable standalone applications (24/7 operability)
- Ultra-small form factor for easy installation in or behind displays
- Cost-efficient controller for small applications
- Compatible with all Nexmosphere Elements
- USB powered: single cable connection

# XN-135 XPERIENCE CONTROLLER

## Thermal specifications

Operating temperature: +10°C...+40°C/ +50°F ... +104°F  
Storage temperature: -20°C...+50°C/ -4°F ... +122°F  
Cooling: Passive cooling (no moving parts)

## Electrical specifications

Operating voltage: 5VDC  
Power consumption: 150mA  
Max. system current: 2.0A  
Passive cooling (no moving parts)

## Serial communication specifications

Baudrate: 115200  
Data bits: 8  
Parity: None  
Stop bits: 1  
Flow control: None  
Protocol: ASCII  
EOL: CR+LF

## Standards and Certifications



**RoHS**  
compliant

## Miscellaneous

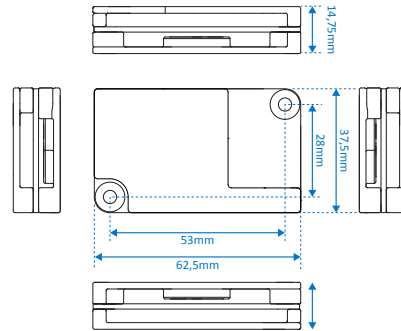
- Miniature housing with two mounting holes for secure screw fixing
- Build-in magnet for easy mounting on metal surfaces
- Horizontal and vertical mounting allowed
- Diagnostic LED indicating potential issues
- Status LED indicating power and input/output operations
- 1-year warranty (optional 3-year extended warranty available)

## Packaging

Netto weight: 100g  
Items per carton 1 or 10 pcs

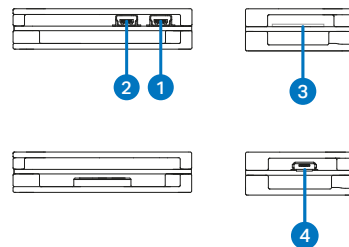
## Mechanical dimensions

LxWxH: 62,5 x 37,5 x 14,8 mm  
Screw fixation: 53 x 28 mm



## Hardware interfaces

1. X-talk+ interface 1
2. X-talk+ interface 2
3. X-Talk interface 3 (MicroBay)
4. 5V Power input Micro USB



## Ordering information

Product ID	Description	Quantity
XN-135	Xperience controller USB (API), 2x X-talk, 1x MicroBay	1 pc
XN-135M3	Xperience controller USB (API), 2x X-talk, 1x MM-3 motion sensor interface	1 pc
XN-135M4	Xperience controller USB (API), 2x X-talk, 1x MM-4 dual button interface with LED control	1 pc
XN-135M8	Xperience controller USB (API), 2x X-talk, 1x MM-8 X-Wave LED controller	1 pc

## Nexmosphere

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