



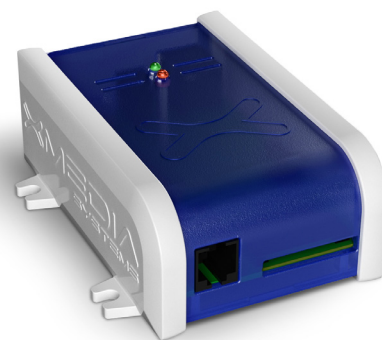
## XM-350 XPERIENCE CONTROLLER

### XM range

The Nexmosphere XM range offers Xperience controllers in a configurable and extendable form factor making it ideal to use when functionality combinations that aren't available in the smaller ranges are required. This series consists of XM controllers and EM extension units, which are mounted together at our production facilities in order to offer you just the right functionality set for your project.

### XM controllers

The Modular controllers are fitted with 1 X-talk channel on the unit itself and can support up to 5 Extension Modules and 8 Shop Modules. The Controllers are equipped with a USB or RS232 interface to integrate the sensor Elements with your connected device via our API.



### Features

- X-talk interface for easy sensor connection
- EM interface for system expansion
- ShopBus interface for large systems and interspacing
- Bootloadable via SD Card

### X-talk interface

Connect a wide range of sensors, buttons, LEDs, or any other Nexmosphere Element to create your unique shopper experience. Due to auto-configuration, no additional setup is required for seamless operation.

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

### EM expansion

The EM modules define the exact specification of the complete XM Xperience controller. Combine any of the modules into one system to make it fit the exact application needs. Different functionalities such as LED control, audio switching or large numbers of Element connections through X-talk channels can all be combined on a single XM controller. The EM modules are pre-assembled onto the XM controllers at our production facilities.

- Compatible with any of the EM- modules
- Connect up to 5 EM-modules to one XM-controller
- Pre-assembled factory build for your application

### Shopbus

Shopbus Modules are specifically designed for two reasons; firstly, creating large systems, and secondly; allowing large interspacing between several control units, when Elements are needed far apart from each other. The Shopbus architecture enables connecting multiple XM-like controller units, with the possibility of using long cable lengths between the units.

### RS232 interface

The industry-standard RS232 interface allows 3rd party product interfacing and can be controlled with X-script commands by any media player or content management system.

- Reliable high-speed RS232 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 applications (24/7 operability)
- Modular architecture enables application-specific functionality set
- Compatible with all Nexmosphere Elements

# XM-350 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)

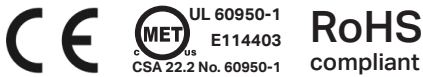
## Electrical specifications

Operating voltage: 5VDC  
LPS power adapter  
 Max. system current: 2.0A  
 Power consumption: 0.2A  
 Max. output per X-talk interface: 500mA @5VDC  
 Max. output on EM interface: 1.8A @ 5VDC  
 Max. output on ShopBus interface: 1.0A @ 5VDC

## Serial communication specifications

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

## Standards and Certifications



## Miscellaneous

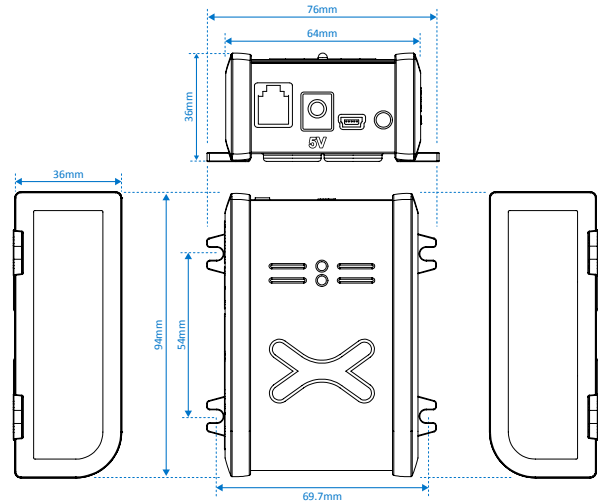
- Robust housing with screw brackets for secure fixing
- Built-in magnets for easy mounting on metal surfaces
- Both horizontal and vertical mounting allowed
- Diagnostic LED indicating potential issues
- Status LED indicating power and input/output operations
- 1-year warranty (optional 3-year extended warranty available)

## Packaging

Netto Weight: 105g  
 Items per carton 1 or 10 pcs

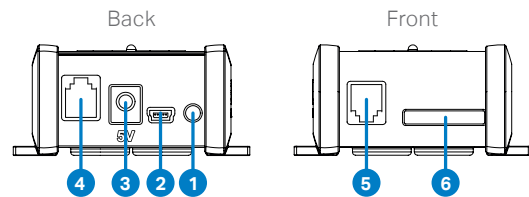
## Mechanical dimensions

LxWxH: 94 x 76 x 36 mm  
 Screw fixation: 54 x 69,7 mm



## Hardware interfaces

1. Not in use
2. X-talk interface 001
3. 5V Power input 2.5mm DC socket
4. ShopBus RJ25 socket
5. RS232 RJ9 socket - API interface
6. SD card slot for bootloading



## Ordering information

Product ID	Description	Quantity
XM-350	Xperience controller, 1x X-talk, Shopbus, RS232	1 pc

## Nexmosphere

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