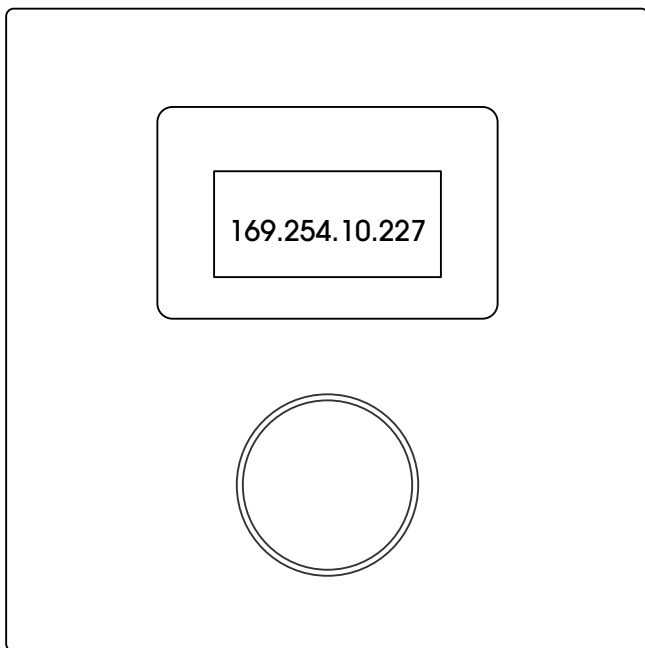




AmiCTL2

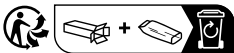
Wall-mounted controller with display and rotary knob for the Ami series matrix – PoE – Black or White

USER GUIDE

H11879 / H11892 – Version 1 / 08-2026

1 - Safety instructions

- 1- Please read these instructions.
- 2- Please keep these instructions.
- 3- Please observe all warnings.
- 4- Follow all the instructions.
- 5- Do not use this appliance near water.
- 6- Clean with a dry cloth only.
- 7- Do not block the ventilation openings. Install the appliance in accordance with the manufacturer's instructions.
- 8- Keep the appliance away from sources of heat: radiators, air vents, ovens and other such appliances (including amplifiers).
- 9- Arrange the cables so that they cannot be trodden on, trapped or pinched.
- 10- Unplug this appliance during thunderstorms or when it is not in use for long periods.
- 11- Have any repairs carried out by a qualified technician. You must contact a technician in the following circumstances: the power lead or mains plug is damaged; foreign objects or liquid have entered the appliance; the appliance has been exposed to rain or damp; the appliance is showing signs of malfunction; or it has been dropped.



EC Declaration of Conformity

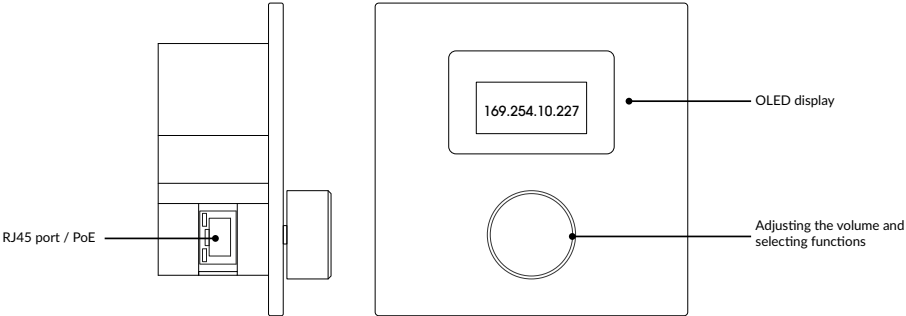
This product complies with all the essential requirements and other specifications set out in the following Directives:

- 2014/35/EU (LVD)
- 2014/30/EU (EMC)
- 2011/65/EU (RoHS)

A full EU declaration is available on the audiophony-pa.com website.

2 – Description

The AmiCTL2 panel consists of a 1.3-inch OLED screen and a rotary push-button. The OLED display provides access to five types of menu: You can configure the controller menu (Gain, Mute, Preset, controls or routing).



3 - Wiring and installation

3 - 1 - Wiring

Use a Cat5E cable as a minimum, but CAT6 cables are preferable.

Choose a PoE switch that complies with the IEEE 802.3at standard, such as the Poe10-250 (H11913)

Never connect or disconnect an RJ45 PoE connector whilst a high current is flowing through the cable. This creates a micro-arc which gradually damages the pins.

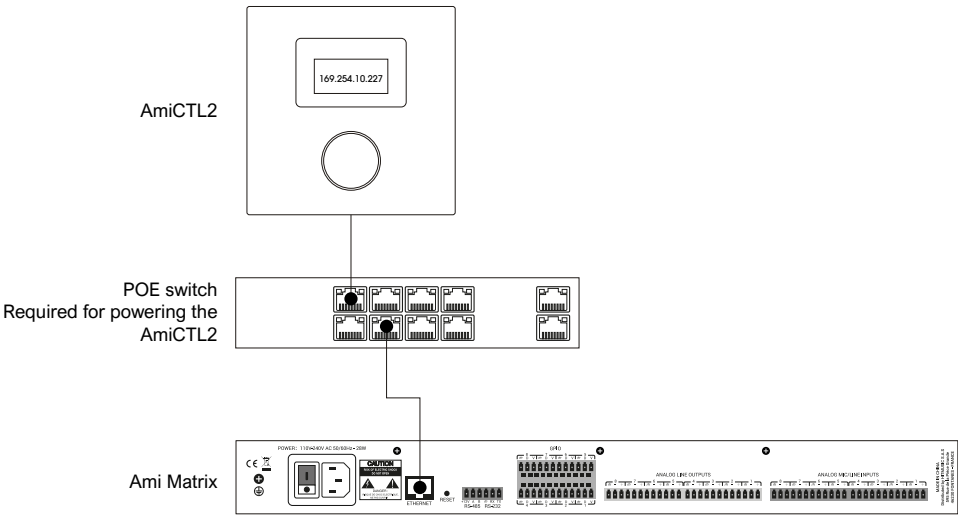
All connections must be made whilst the power is off.

3 - 2 - Installation

The AmiCTL2 is supplied without a flush-mounting box.

It is compatible with the PILOT-BOX (H10637) and the PILOT-SCREW (H10638) for flush-mounted installation in plasterboard.

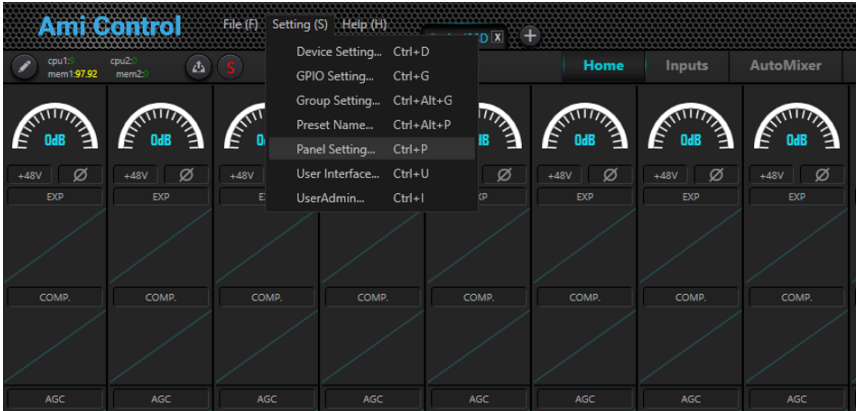
3 - 3 - Typical wiring diagram



4 – Configuring and using the Control Panel

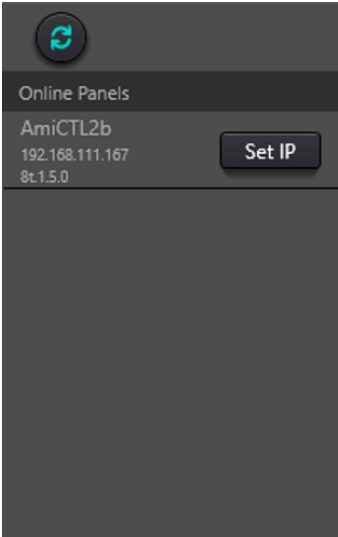
The AmiCTL2 is configured using the ‘Panel Setting’ module in the Ami Control software.

In the ‘Settings’ tab, click on ‘Panel Settings’.

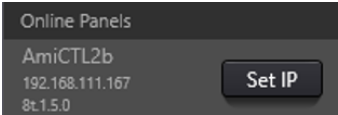


4 - 1 - Controller network settings:

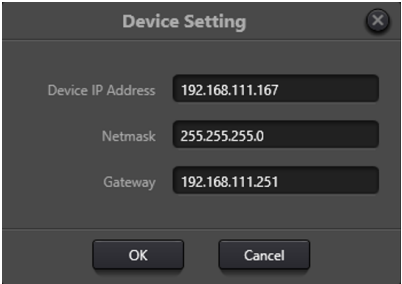
If the controller is on the same physical network as the Ami matrix, it will appear in the 'Online Panels' window



The name, IP address and firmware version are immediately visible.
The controller's IP address can be set directly using the 'Set IP' button



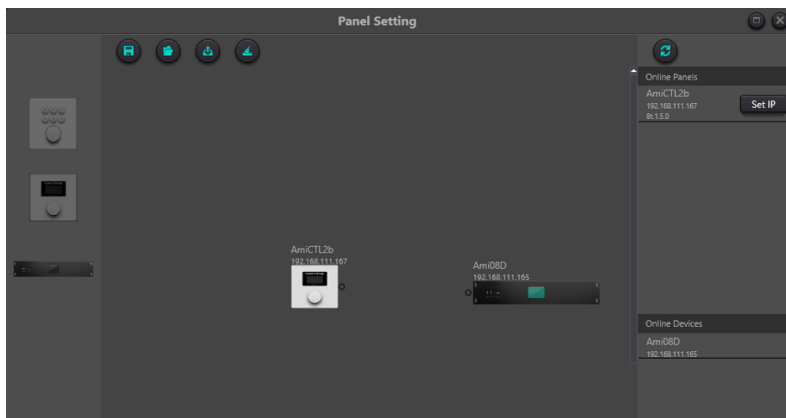
Clicking this button opens the 'Device Settings' window.



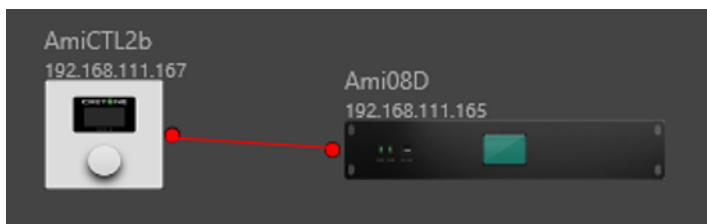
4 - 2 - Assigning a controller to a matrix:

In Panel Setting, drag and drop the controller you wish to assign and the matrix to which it will be linked into the centre of the window.

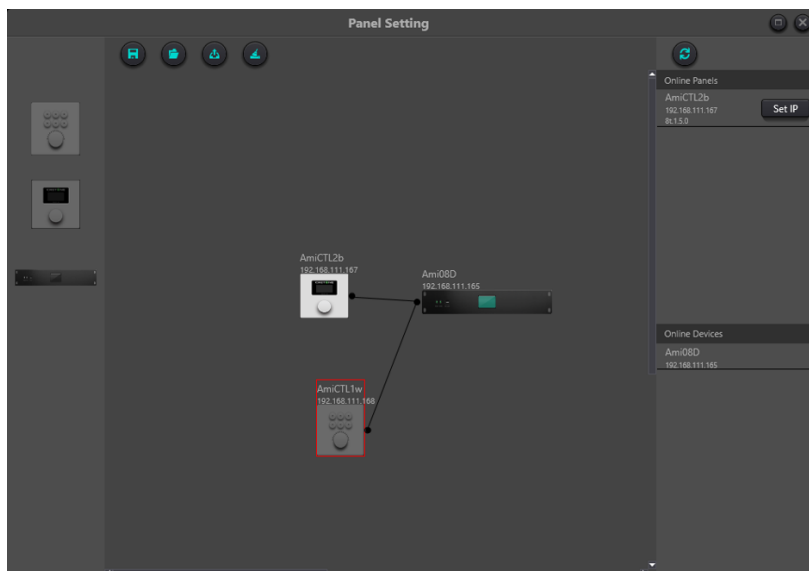
Once both devices have been disconnected, they will need to be connected virtually.



Click on the connection point of the first device (the black circle) and drag that point onto the one on the matrix.



It is possible to assign several controllers to the same matrix.



4 - 3 - Controller Configuration



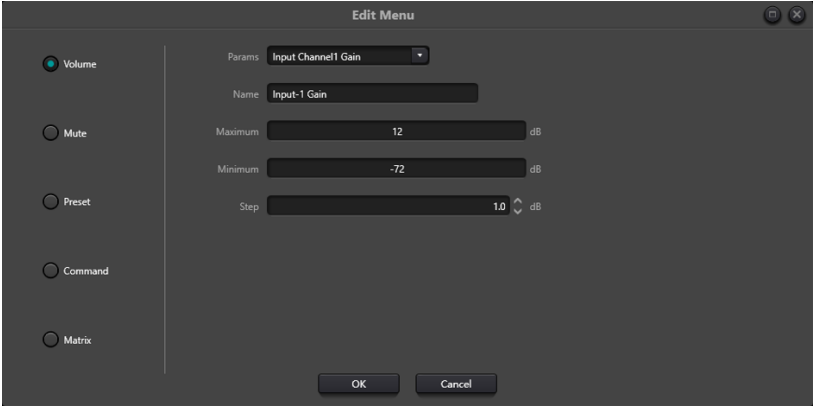
Click the 'Add Menu **+ Add Menu**' button to add a function to the panel.
You can add up to 32 menus to the panel.

You can change the order of the functions by selecting one of the functions from the list and moving it using the arrows
and .



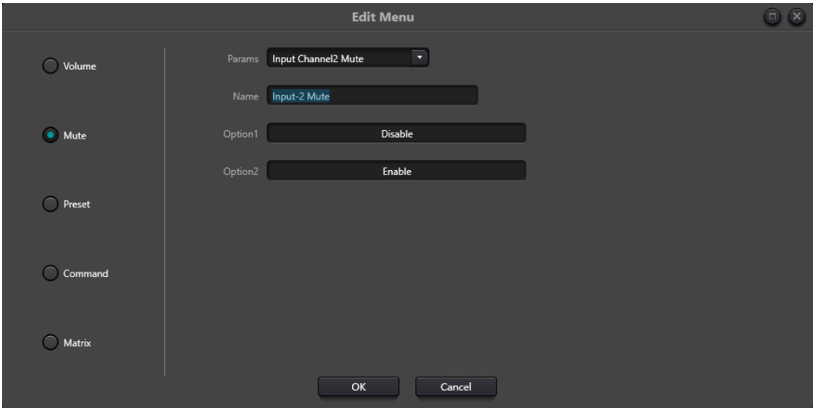
Here are the various functions that can be assigned to the menu:

4 - 3 - 1 - Volume:



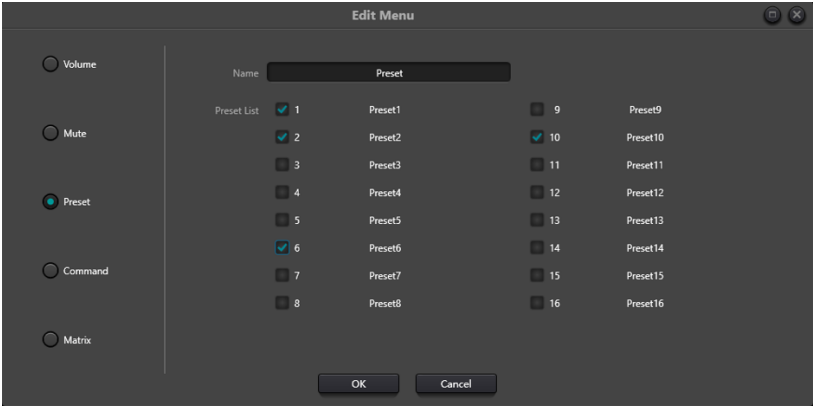
- "Params": Allows you to select the channel to be controlled (input or output).
- "Name": Allows you to rename the button (maximum 16 characters).
- "Maximum": Allows you to set a volume limit. This limit cannot be exceeded with this controller.
- "Minimum": Allows you to set a volume limit. This limit cannot be exceeded with this controller.
- "Step": Allows you to select the step size for the rotary encoder (from 0.5 dB to 10 dB per step).

4 - 3 - 2 - Mute:



- "Params": Allows you to select the channel to be controlled (input or output).
- "Name": allows you to rename the button (max. 16 characters).
- "Option1": It is possible to rename this option. You can replace "Disable" with "Inactive" or any other term, up to a maximum of 8 characters.
- "Option2": You can rename this option. You can replace "Enable" with "Active" or any other term, provided it is no more than 8 characters long.

4 - 3 - 3 - Preset:



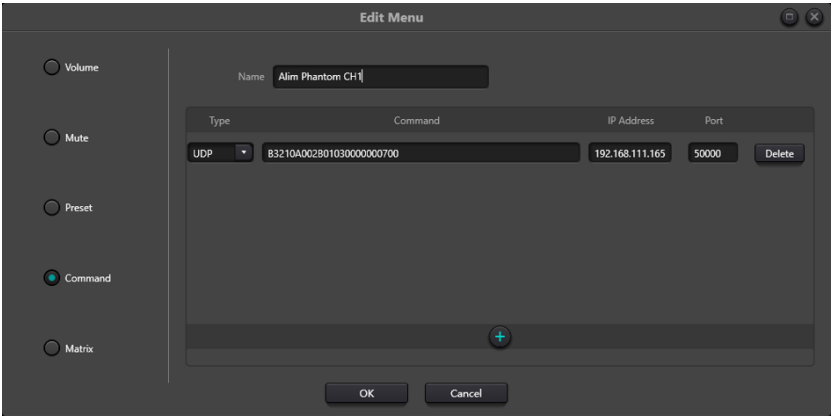
You can rename the preset menu and choose which presets will be available on the controller. You can configure different presets to be accessible on each of the two controllers.

4 - 3 - 4 - Command:

It is possible to assign different commands to each button.
Click on + to add a command line.
Three types of control signal are available: UDP, RS232 and RS485.

UDP command

Select the IP address and port of the device to be controlled.



The array's UDP control port can be changed in the 'Device Setting' tab of the AmiControl software (by default, the UDP control port is 50000).

Device Setting

Device Name

Ami08D

Device IP Address

192.168.111.165

Gateway

192.168.111.251

Netmask

255.255.255.0

Mac Address

02-00-5F-40-AE-B0

Default Preset

Previous loaded preset

Set Up Redundancy

OFF

Control Center Response

ON

Power-off Memory

OFF

Enable Model Selection Box

ON

UDP Control Port

50000

RS-232

Baudrate

9600

Data Bit

8

Stop Bit

1

Parity Bit

None

RS-485

Baudrate

115200

Data Bit

8

Stop Bit

1

Parity Bit

None

OK

Cancel

You can use AmiControl's 'Command Capture' tool to copy the hexadecimal command for any function in the matrix

Command Capture

B32105002B01040000000100

Copy

\xB3\x21\x05\x00\x2B\x01\x04\x00\x00\x00\x01\x00

Copy

Command Source: Input->Channel1->Phantom

Value 1

You can also control another matrix or a third-party device that supports UDP control.

RS232 command

Allows you to send one or more commands to a device connected to the matrix via RS232.

Edit Menu

Volume

Mute

Preset

Command

Matrix

Name

Chase1 DMX

Type	Command	IP Address	Port
RS232	B3210A002B01030000000700		

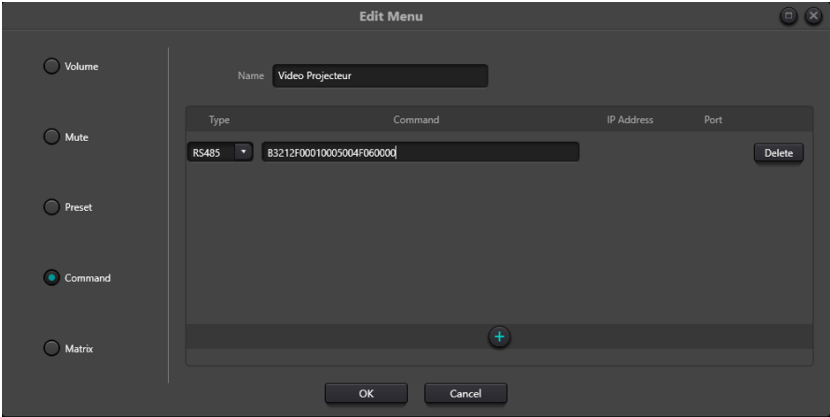
OK

Cancel

Page 9

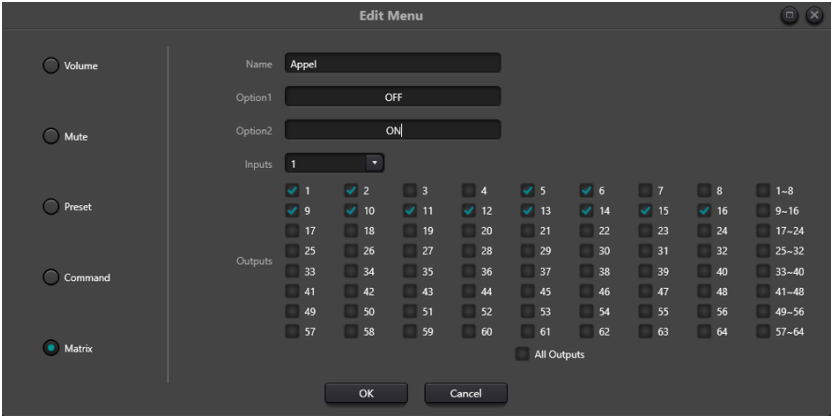
RS485 control

Allows you to send one or more commands to a device connected to the matrix via RS485.



4 - 3 - 5 - Matrix:

Allows you to assign an input from the matrix to the output(s) of your choice.



- "Name" allows you to rename the menu (max. 16 characters)
- "Option1" It is possible to rename this option. You can replace "Disable" with "OFF" or any other term, provided it is no more than 8 characters long
- "Option2" It is possible to rename this option. You can replace "Enable" with "ON" or any other term, provided it is no more than 8 characters long

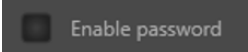
4 - 4 - Password protection for the panel

Access to AmiCTL2 can be protected by a 4-digit password.
Two passwords can be set. The first is for settings and the second is for control.

Password setting: 4 digits

To access this menu, press and hold the button (for 10 seconds) and then enter the default password (4816). Select the 'Password Set' menu, then click 'Yes' to change your password.

Verification password: 4 digits

If the installer ticks 'Enable Password'  in 'Edit Panel', a 4-digit code will be required on the AmiCTL2 controller to access its control functions.
This password can be changed directly in the System Config menu of the AmiCTL2.
To access this menu, press and hold the button (for 10 seconds) and then enter the default password (4816). Select the 'Ctrl Password' menu to enable it and enter your new password.
If you enter the wrong password, you can use the master password: 4816.

4 - 5 - Saving and loading the configuration.

Once you have finished assigning functions, click on  to save the panel configuration to the computer.

You can reload a configuration by clicking on



Click on  to download the control settings to the panel.

 Allows you to clear the controls from the working window.

4 - 6 - How to use the panel.

The display automatically goes into standby mode after 30 seconds.

AmiCTL2b 192.168.111.167	When the controller is accessed, the screen will display the controller's name (which can be changed) and its IP address.
Input-1 Gain 0.0 dB OFL 1/1	In the bottom-left corner, the screen displays 'OFL' if the matrix to which the controller is assigned is offline, or if the controller has not yet been assigned to a matrix.
Input-1 Gain 0.0 dB OL 1/1	The screen will display 'OL' when the connection between the controller and the matrix is operational.
To access the System Config menu, press and hold the controller button (for 10 seconds).	
Enter Password 0---	The controller asks for a password to access the menu. The default password is 4816.

	System Config OFL2/2	Once you're on this page, press the button.		
1	System Config Factory Set OFL1/4	'Factory reset' allows you to reset the controller. Confirm the menu and select YES.		
2	System Config Password Set OFL2/4	Password Set Yes OFL2/4	New Password 00--	Allows you to set a password to access the System Config menu
	System Config Ctrl Password OFL3/4	Ctrl Password Yes OFL3/4	New Password 0---	Allows you to set the password required to access the control panel.
3	A password will be required for any action carried out on the controller if the 'Enable password' box is ticked in the Edit Panel			
	Edit Panel Device Name AmiCTL2b Device IP Address 192.168.111.167 ☒ Enable password			
4	System Config Return OFL4/4	Back to the main menu.		

5 - Technical specifications

Display	1.31" OLED
Programmable menus	32
Volume control / functions	1
Protocol	UDP
Address configuration	TCP/IP
Maximum cable length	100 m
Connection port	1 x RJ45
Food	Max. PoE 48 V
Consumption	< 5 W
Dimensions (Width x Height x Depth)	86 x 86 x 35 mm
Net weight	185 g

