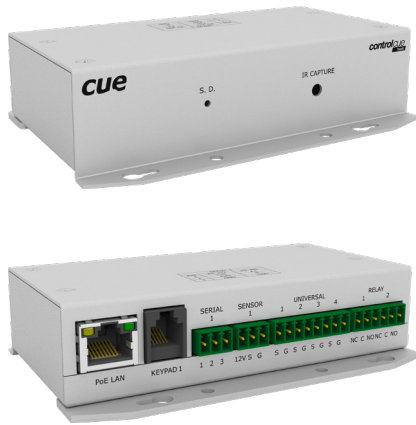


# controlCUE-basic

Cost Effective Room Controller



## Main Features

- 1x Wired 10/100 BaseT LAN
- 1x Keypad port incl. power supply for keypad
- 1x Bi-directional serial RS-232/485 port
- 1x Occupancy sensor port with 12 VDC power supply output
- 4x Universal port
- 2x Low-voltage relay
- IR code capture sensor
- ARM® processor platform
- Internal RAM 256 MB, flash 256 MB
- Onboard real time clock
- Power over Ethernet power supply
- Compact surface-mount or free standing metal enclosure
- Web server and Admin Web pages for setup
- Simple Setup for easy configuration without programming

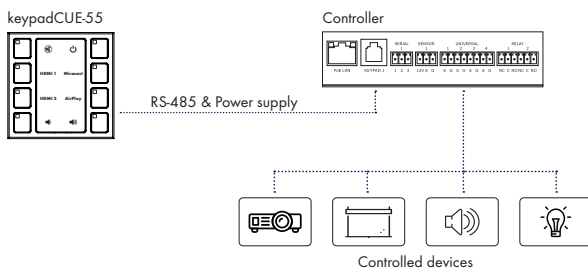
## Description

The controlCUE-basic is fully functional IP controller with one keypad port, one bi-directional serial RS-232/485 control port, one port for occupancy sensor, four universal ports and two low voltage relays. Every universal port can be used as digital input or output, serial RS-232 output as well as infra-red output. Controller works as fully programmable standalone unit and it is compatible with eight-button keypad keypadCUE-55 and other CUE's control panels and touch panels. The controller keeps date and time with its on-board real time clock (RTC)

and thus allowing for a wide variety of distributed intelligence scheduling applications. Single cable Ethernet connection provides easy network integration. The controller is equipped with Power over Ethernet (PoE) technology enabling an Ethernet network cable to deliver both data and power. The controller installs easily on any surface. This controller comes with a web server and allows setup through a standard web browser. Unit programming is based on CUE's standard programming tool Cue Visual Composer.

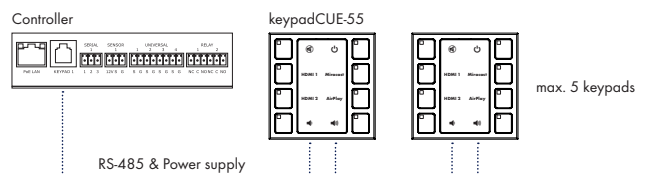
## Simple Control System

- Simple and economic control package
- Intuitive user interface provided by keypadCUE-55
- Perfect solution for AV control as well as for and environment control
- Suitable for boardrooms, meeting rooms, classrooms, etc.



## Multiple Keypads

- More keypads connected to one controller
- All keypads connected via RS-485, 4 conductor flat phone line cord or CATx cable can be used
- More keypads in the room, e.g. one on the wall, other in the table
- Suitable solution for home automation



## Box Contents

- Controller controlCUE-basic
- Connector set
- Ethernet cable
- Quick Start
- Declaration of Conformity & Warranty Conditions

## Order Information

Product code CS0552

# controlCUE-basic

Cost Effective Room Controller



## Specifications

### Network

- 10/100 BaseT Ethernet
- 802.1X authentication mechanism and Proxy server support
- Connector - RJ-45

### Keypad port

- Power supply +12 VDC output, max. 250 mA
- RS-485 data communication
- Max. 5 keypadCUE-55 can be connected
- Connector - 6P6C modular jack

### Control ports

- 1x Bi-directional serial
  - RS-232/485 modes
  - Connector - Phoenix 3-pin 3.5 mm
- 1x Sensor port
  - Power supply output +12 VDC, max. 50 mA
  - Digital input
  - Connector - Phoenix 3-pin 3.5 mm
- 4x Universal, each port can be used as
  - Digital input
    - Input protected to +30 VDC / -12 VDC
    - Digital levels 0: < 0.6 V, 1: > 2.5 V
    - Input impedance >100 kΩ
  - Digital output
    - Open collector
    - Max. sink current 200 mA / max. 30 VDC
    - Catch diodes for use with real load
    - Current-source pull-up 9 mA (max. 10 V)
    - Current-source pull-up -9 mA (max. -10 V)
  - IR output
    - Maximum IR carrier frequency 500 kHz
    - Up to 3 original IR Adapter /i in parallel
  - Serial output
    - RS-232 mode
    - Data baud rate 300 Bd ÷ 115 200 Bd (bps)
    - Connector - Phoenix 2-pin 3.5 mm

### Control ports continue

- 2x Low-voltage relay
  - Normal close (NC), common (C) and normal open (NO) contacts
  - Max. 24 V / 0.5 A
  - Connector - Phoenix 3-pin 3.5 mm

### Internal IR sensor

- IR code capture

### LED indicators

- Located on the network connector
- Orange Power - indicates power is presented and unit is ready.
- Green Link - indicates network link and activity.

### Button

- System Default sets default IP address and password.

### Real time and date

- RTC with battery backup

### Memory

- Internal RAM LPDDR 256 MB
- Internal non-volatile flash 256 MB

### Software technologies

- Admin Web
- XPL<sup>2</sup> inside
- Simple Setup for easy configuration without programming

### Power supply

- Power over Ethernet (PoE)
- IEEE 802.3af / Class 0

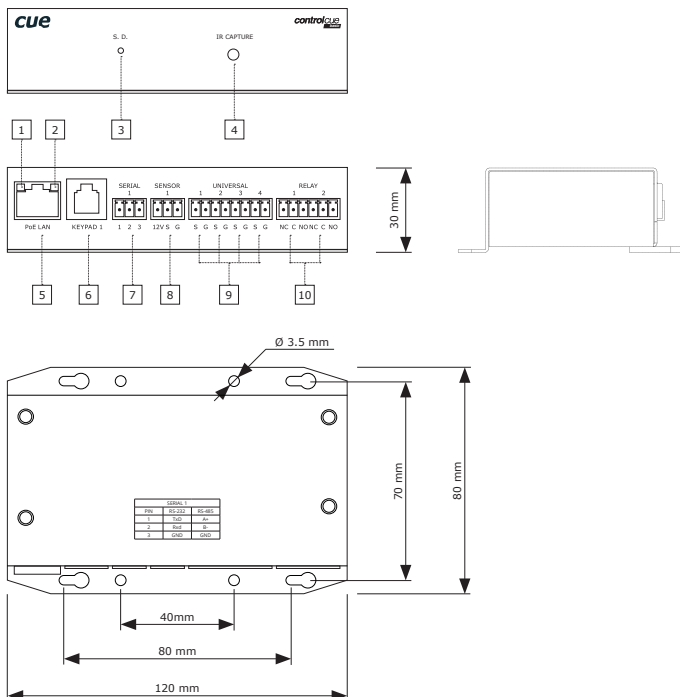
### Physical

- Compact aluminium enclosure
- Protection IP20
- Dimensions 120 x 30 x 80 mm / 4.7" x 1.2" x 3.2"
- Weight 0.2 kg / 0.4 lb

### Environment conditions

- Operating temperature 10° to 40° C
- Storage temperature 0° to 60° C
- Relative humidity 10% to 90% non-condensing

## Mechanical Description



- 1 Power indicator
- 2 Link/activity indicator
- 3 Button System default
- 4 IR capture sensor
- 5 Ethernet with PoE
- 6 Keypad port
- 7 Serial port
- 8 Sensor port
- 9 4x Universal port
- 10 2x Low voltage relay