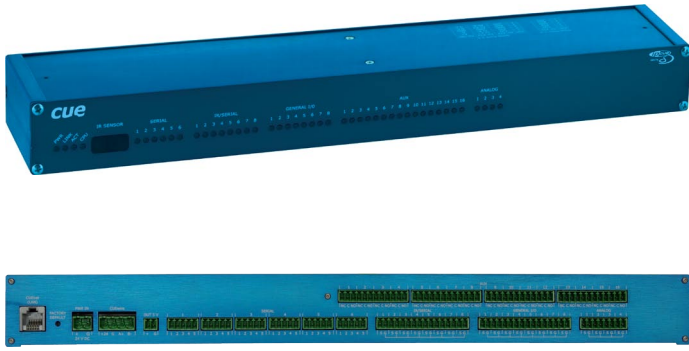


# ipCUE-delta



## SPECIFICATIONS

### Control ports

- 2x Bi-directional serial RS-232, 5-pin connector
- 4x Bi-directional serial RS-232/422/485, 5-pin connector
- 1x Bi-directional serial RS-485 (CUEwire), 4-pin connector
- 8x IR /serial output (IR up to 1.2 MHz), 2-pin connector
- 8x General I/O, 2-pin connector, can be configured as
  - Analog input 0 – 5 V
  - Digital open collector output, max. 80 mA
- 4x Analog output 0 – 10 V, max. 10 mA, 2-pin connector
- 16x Relay 24 V, max. 0.5 A, 3-pin connector

### Power output

- 5 VDC, max. 1 A

### Internal IR sensor

- IR code capture, IR wireless control panel link

### LED indicators

- Power, CUEnet, CPU, all control ports

### Button

- Reset / Set factory default

### Real time and date

- RTC with battery backup

### Memory

- Internal RAM 16 MB
- Internal flash 16 MB

### Software technologies

- Admin Web, XPL Inside, WXL

### System communication

- 10/100 BaseT LAN , RJ-45 connector
- CUEwire, 4-pin connector 5.08 mm

### Power supply

- 24 VDC (+/-20%), 18 W, 2-pin connector 5.08 mm

### Physical

- Blue metal enclosure
- Dimensions
  - 421 x 43.5 x 92 mm / 16.6" x 1.7" x 3.6"
  - 1 rack space, 1 U
- Weight 0.9 kg / 2.0 lb

### Operating environment

- Temperature 10° to 40° C
- Humidity 10% to 90% non-condensing

## ORDER INFORMATION

Product code CS0267

## MAIN FEATURES

- Based on the Motorola ColdFire® processor
- Ethernet IP enabled
- Non-volatile flash memory for user application
- Onboard real time clock
- Firmware upgradeable using Admin Web pages
- Fully compatible with current CUE communication buses
- Standard control ports - bi-directional serial, IR/serial, general I/O, analog and relay
- Web server and Admin Web pages for setup and diagnostics
- XPL Inside compatible with CUE programming tools
- Unified enclosure design for desktop, rack, DIN rail and wall installation - no special models required
- 19" rack installation available with accessories

## DESCRIPTION

The ipCUE-delta is a member of Ethernet IP enabled controller family. The control ports include bi-directional serial channels RS-232/422/485, serial outputs, infrared outputs up to 1.2 MHz, general I/O ports that can be configured as analog inputs or digital outputs and 24 volts relay outputs. The Ethernet port allows for bi-directional IP control of any manufacturer IP enabled products. The ipCUE-delta is fully compatible with CUE's existing range of button panels and touch panels through and comes equipped with a CUEwire port. For convenience there has also been a +5 VDC output added to the design for powering external low-voltage equipment. The ipCUE-delta is equipped with internal IR sensors. The sensors allow capture IR codes and receive IR codes from hand-held transmitters. Convenient for testing and troubleshooting this model also comes with front panel indicator LEDs that indicate the status of all the control ports. The ipCUE-delta keeps date and time with its onboard real time clock (RTC) and thus allowing for a wide variety of distributed intelligence scheduling applications. The ipCUE-delta comes complete with a web server and allows for setup, configuration, and testing through a standard web browser. This web-based interface allows for the graphical monitoring and control of all ports, which provides a truly time saving method for testing and troubleshooting. The ipCUE-delta is fully compatible with WXL language which was designed as a support of a web interface for CUE system. The WXL is web compliant programming language for direct control of controller and touch panel control ports as well as for interaction between web control page and XPL application. The web control pages are stored in controller web storage section. Standard web development tools (e.g. HTML editors, Adobe® Flash®) can be used for control panel design.

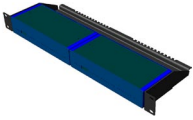
## APPLICATIONS

- Commercial single-room applications
- Huge multi-room and multi-floor distributed systems
- Home theater applications
- Complete residential home automation

## STANDARD BOX CONTENTS

Controller, Connector set, 4x IR Adapter /i  
Ethernet cable straight-through, Ethernet cable crossed-over  
CUEadapter /30W incl. power cable  
CE Declaration, RoHS Declaration  
Controller Data Sheet, Cue System Connector Wiring Sheet  
CUE Application CD

## ipCUE Rack Mounting Kit



The ipCUE Rack Mounting Kit provides simple solution for installing ipCUE controllers and rfbaseCUE to the 19" rack. It allows install two half-rack sized ipCUEs or one full-sized ipCUE to single 19" unit rack space. All necessary accessories are supplied with the kit.

Stainless steel enclosure  
Dimensions Rack 19", 1 U  
Weight 1.3 kg / 2.9 lb  
Product code CS0251-MR

## IR Adapter /i



The IR Adapter /i is an infrared emitter used for controlling AV devices equipped with IR control capabilities. It is fastened on the receiver window of the AV device using a double-sided adhesive tape.

Connector 2-pin 3.5 mm  
Cable length 2 m / 6.6 ft  
Product Code CS0256

## Opto-Input Adapter /i



Any status indicator on the controlled device can be read using the Opto-Input Adapter /i photosensitive cell. The Opto-Input Adapter /i is fastened on the indicator using a double-sided adhesive tape.

Connector 2-pin 3.5 mm  
Cable length 2 m / 6.6 ft  
Product Code CS0257

## CUEwire Cable



The CUEwire Cable is used for CUEwire connection.

Connectors  
4-pin 5.08 mm, 4-pin 5.08 mm  
Product codes  
CA0140-P05 length 0.5 m / 1.6 ft  
CA0140-P30 length 3.0 m / 9.8 ft  
CA0140-PU user cable length

## CUEring Cable /i



The CUEring Cable /i is a data cable that enables communication between controllers and interfaces.

Connectors  
5-pin 3.5 mm, DB-9-male  
Product codes  
CA0170-P05 length 0.5 m / 1.6 ft  
CA0170-P30 length 3.0 m / 9.8 ft  
CA0170-PU user cable length

## Serial IO Cable /i



The Serial IO Cable allows system connectivity to controlled devices that are equipped with RS-232, RS-422 or RS-485 serial communications. The connector and pin description need to be specified. This information, as well as the communication protocol, can typically be found in the user manual of the controlled device. If the equipment cannot be found in our library, and the connector is not explicitly described in your order, the cable will be delivered without a connector.

Connectors  
5-pin 3.5 mm  
Output connector depends on device

Product codes  
CA0180-P05 length 0.5 m / 1.6 ft  
CA0180-P30 length 3.0 m / 9.8 ft  
CA0180-PU user cable length

## Serial IO Cable DTE /i



The Serial IO Cable DTE /i allows system connectivity to controlled devices that are equipped with RS-232 serial communication.

Connectors  
5-pin 3.5 mm, DB-9-M

Product codes  
CA0181-P05 length 0.5 m / 1.6 ft  
CA0181-P30 length 3.0 m / 9.8 ft  
CA0181-PU user cable length

## Serial IO Cable DCE /i



The Serial IO Cable DCE /i allows system connectivity to controlled devices that are equipped with RS-232 serial communication.

Connectors  
5-pin 3.5 mm, DB-9-F

Product codes  
CA0182-P05 length 0.5 m / 1.6 ft  
CA0182-P30 length 3.0 m / 9.8 ft  
CA0182-PU user cable length

## Universal Serial Cable Adapter



The Universal Serial Cable Adapter allows to connect serial controlled device equipped with any signal configuration on DB-9-F or DB-9-M connector. Cable connection can be simply changed by jumpers.

Connectors  
5-pin 3.5 mm, DB -9-M

Supplied accessories  
Cable to ipCUE (length 1m)  
Cable to controlled device (length 0.5m)

Product code  
CS0271