

cue

PRODUCT OVERVIEW



JANUARY 2013

About CUE

More than 20 years CUE designs, manufactures, and markets IP-based integration systems with beautiful control panels that enhance lifestyle, work-style, entertainment, and communication. CUE technology is designed to bring prestige, usability, and enjoyment to consumers. CUE provides the essential enabling hardware and software for a wide variety of solutions. CUE solutions include residential, corporate, educational, industrial, and government applications. CUE has offices in Europe, Asia, and the USA with a network of worldwide distribution.

CUE manufactures a wide range of wired and wireless control panels, including beautifully styled touch screen panels, architecturally stunning wall mounted button panels, as well as classically crafted hand held remotes.

CUE offers software applications enable to use any Apple iOS, Android and Windows devices as a Cue System control panel.

CUE saves implementer's time and money with powerful, professional, yet easy to use Cue Visual Composer creation tool. This allows drag & drop software authoring with a vast library of graphic objects and equipment drivers.

CUE provides the hardware-link between multi-vendor home theatre, multimedia, videoconferencing, security, HVAC, and other equipment. CUE has an expanding range of interfaces including TCP/IP, RS-232/422/485, KNX, DMX512, DALI, dry-contact-relay closure, IR emulation and transmission, general I/O, analog to digital signal conversion, and voltage ramp output to name a few.

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Home & Residential Applications

REMOTE ACCESS TO ALL HOME SYSTEMS

You can access your home remotely via Internet, e-mail or SMS text messages. Your home web site will enable you to monitor the current state of your house including interior and exterior temperatures, turning on the heating, recording your favourite TV programme or watering the lawn.

WINDOW DRAPES, BLACKOUTS AND WINDOW TREATMENTS

The control system can automatically manipulate window blinds according to the intensity of sunlight. This helps to regulate illumination and temperature in the room. In summer it can reduce the cost of air-conditioning in rooms subject to direct sunlight. In case of strong wind the system ensures that window blinds and awnings are retracted, protecting them from damage.

AUTOMATED ENTRYWAYS AND GATES CONTROL

The connection of gates, doors and windows to the control system facilitates the automated unlocking of doors when you come home as well as automated locking when you leave. Should you forget to close any windows, the system will remind you.

SECURITY AND MONITORING CAMERA SURVEILLANCE

Thanks to the switch panels of the control system you can also control the intruder security systems. This means you do not need a separate keyboard for the security subsystem – all you need are the switch panels of the control system. The system can thus turn on

the Presence Simulation when you leave and arm, or send you a message in case of any alarm. In addition, thanks to the touch panel of the control system, you can monitor anything picked up by the security cameras mounted in your house. In this way, for instance, you can keep an eye on your children playing around the swimming pool.

PERSONALIZED SEQUENCE OF ACTIONS

The control system can automatically carry out pre-set actions as required by the user. For example, after you come home and disarm the security system, the control system can turn on the lights and heating and switch on background music. TV news comes on at precisely the right time. The system can also record your regular activities during the day and use this data to simulate your presence in the house during your absence, thus discouraging uninvited visitors.

MULTIZONE AUDIO & VIDEO CONTROL

With the help of the touch panel or keyboards you can play your favourite music or turn on your chosen TV or radio programme, setting the volume to the desired level. The control system can automate these procedures for you. For example, it can turn on the news in the bathroom after you get up, switch on relaxing music when you come home, etc.

LIGHTING AUTOMATION

The control system enables you to control lighting by selecting appropriate illumination levels suited for a given type of activity. If you are watching TV, for example, the system sets up all lights in the room

to prevent them from disturbing the picture while maintaining adequate light levels for the room. The lighting can be changed automatically, depending on the time of the day.

HOME THEATRE CONTROL

The control system enables you to automate and simplify the operation of home audio-visual technology, eliminating the use of multiple remote controls. Pressing a single button WATCH MOVIE on your touch panel, for example, automatically switches on the TV, DVD player and the audio system. The appropriate inputs are selected, lighting in the room is set to the desired light mood and if it is sunny outside, the curtains are drawn.

HEATING, VENTILATION AND AIR-CONDITION CONTROL (HVAC)

The control of heating and air-conditioning maintains thermal comfort while at the same time reducing energy consumption and therefore, costs. It is possible to programme suitable temperature modes for various days of the week or various times of the day, and also to establish an economy mode during your vacation. Heating and air-conditioning can be controlled for each room independently.



Business & Professional Applications

MEETING ROOMS & CONFERENCE SPACES

The CUE system offers the following benefits for meeting & conference rooms

- trouble-free running of presentations, automated one-touch control (for example, by pressing a button labelled PRESENTATION the whole room is set up into presentation mode – the projector is turned on, the projection screen rolls out, AV inputs are switched over to the presentation computer, appropriate light conditions are established, etc.)
- nobody is put under stress of using complex technologies – the systems offers intuitive controlling with a minimum of control features
- with the CUE system, the operator can control the entire technical equipment in the room (audio-visual technology, projectors, monitors, DVD players, lighting, heating, air-conditioning, window blinds, etc.) on one panel
- lighting can be controlled by pre-set light scenes which set all lighting devices to the desired light mood, simply by pressing a single button
- remote control of rooms – if the operator has any problems with running the device, he or she can call the technical centre, which can set things remotely
- remote and automated diagnosing, allowing for timely action in servicing (for example, the CUE system sends an e-mail to the service centre indicating that a lamp in the projector needs to be replaced or a filter has to be cleaned, or sends a warning that a device is not working properly)

TRAINING ROOMS AND CLASSROOMS

In classrooms or training rooms the CUE control system makes it possible to

- simplify the operation of audio-visual equipment, lighting or HVAC
- carry out central supervision of all rooms in the building and administer technology in all rooms centrally (e.g. central switching off of electrical equipment at night including rooms where teachers may have forgotten to turn off some of the facilities)

MUSEUMS

The CUE control system facilitates automated control of AV shows in museum expositions both by museum staff and visitors.

LECTURE HALLS

In large lecture halls, the CUE control system makes it possible to

- simplify the operation of all complex AV technologies currently in use, such as switching microphones, controlling sound systems, operating matrix switchers, video cameras and signal sources as well as running light effects – all this from one ergonomically designed touch panel
- distribute AV technology into several zones at venues where the lecture hall can be divided into more rooms by means of movable walls
- manage the distribution of audio-visual signals between several lecture halls

GOVERNMENT AND JUSTICE

The CUE system provides one-touch equipment to control AV technology such as audio and video conference facilities, voting equipment or recording devices in conference and court rooms. It dramatically reduces the number of technical staff needed for the controlling of those devices.

HOTELS

In hotel spaces, the CUE control system offers automated control of audio-visual equipment, lighting, heating, air-conditioning and other kinds of modern technology in meeting and conference rooms.

NETWORK OPERATION CENTRES (NOC)

The CUE system offers

- automated operation of multi-screen systems
- automated control of distributing AV signals for visual display units
- controlling sources of AV signals, video cameras, recording equipment or sensors
- elimination of error during operation, simplified manipulation



Programming Tools

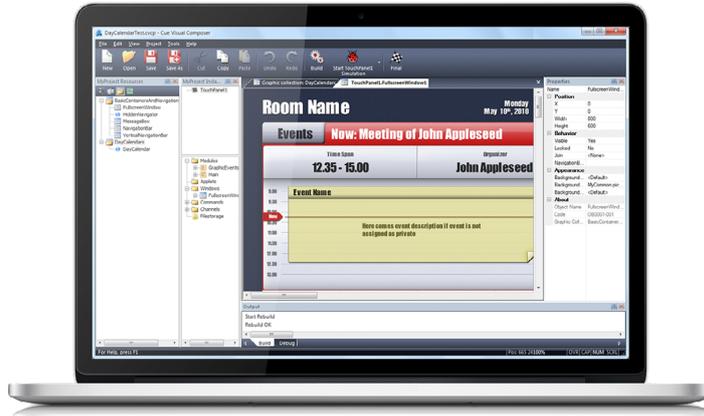
Cue Visual Composer (CVC) is a new generation All-In-One software for control application programming. CVC is innovative mainly due to its unique concept. Touch panels and controllers are programmed in the same way, which makes it possible to use touch panels as fully functional control units. One universal programming language XPL2 allows to program graphical objects, touch panel layouts, device drivers and other parts of control application. Effective programming is achieved by visual programming approach with drag and drop, advanced editing technique IntelliSense, export and import of ready to use pieces of program and more.

Application language localization and Unicode character support are inherent parts of CVC, so it does not require any programming effort. Any part of source code can be protected by a password to protect the author's intellectual property and also can be licensed to a specific hardware. Control application runs on CUE touch panels, controllers and on Microsoft Windows based computers.

Graphic objects are programmed at the level of standard XPL2 language which includes graphical API (Application Programming Interface). When designing the touch panel graphic layout, application programmers therefore do not depend on a fixed set of objects delivered by the software manufacturer but are free to create their own, often very sophisticated objects or whole functional blocks. Runtime's Resize-On-Demand technology for graphic resources dramatically simplifies creating of graphical objects. It is not necessary to prepare special graphics for different objects sizes.

Cue Symbol Font includes more than one hundred and thirty symbols covering the needs of most control applications. The symbol set is grouped into Transport, Arrows & Movements, AV / TV Control, Indicators etc. Runtime's High Color Enhancer improves the subjective perception of color depth. On touch panels with 16-bit color depth the application graphics looks as if it had 24-bit color depth. CVC

and all runtimes for Microsoft Windows based computers can utilize multi-core processors. CVC offers many various ways how to debug and test applications, which significantly shortens the development cycle. The whole project can be simulated anytime on a computer or tested on real hardware units using their control ports. For every unit in the project this debug mode can be set individually and both simulation and real unit testing can be combined. CVC displays debug messages from simulated units and from real units too.



Cue Visual Composer

| | |
|--------------|--------|
| Product code | PT0007 |
|--------------|--------|

Firmware update On-The-Fly is implemented for all CUE touch panels and controllers. All firmware is part of CVC installation. If CVC recognizes an older firmware version, it automatically updates it before debugging or final project uploading.

Cue Visual Composer thus becomes an open platform for a large group of application programmers and makes an important contribution to the development of modern graphical user interfaces. The XPL2 programming language itself is tailored to the needs of control systems used to integrate various technologies.

It includes a complete set of powerful commands that enable system integrators to achieve an effective, robust and easily maintainable code. Preprogrammed Building Blocks dramatically increase productivity in the preparation of control applications using Cue Visual Composer. Currently we offer following types: Graphic Collections, Device Drivers, Applets, Widgets.

Graphic Collection is a set of ready to use graphic objects which allows to prepare touch panel graphical interface. Device Driver is a part of XPL2 code which communicates with controlled device. Applet is a part of program that performs specific task and it runs within the context of a larger program. For example Sunrise/Sunset Timer, Simple Scheduler. Widget is a small full functional application that can be inserted into Cue Visual Composer project.

Mobile Solution

Standard Runtimes

- Runtimes are Apple iOS / Android / Windows applications designed to support the execution of programs written in XPL2 language using Cue Visual Composer
- Enable to use any mobile device as a Cue System control panel
- Suitable addition to CUE control panels and controllers
- GUI application designed in Cue Visual Composer and uploaded to a device
- System communication based on IP using CUEnet2 protocol



iCUE-standard



aCUE-standard



pcCUE-standard

| | | | |
|----------------------|----------------------------|------------------------|---|
| Product code | CS0428 | CS0426 | CS0405 |
| Operating system | Apple iOS 5.0.1 and higher | Android 2.3 and higher | Microsoft® Windows XP/Vista/7/8 (32/64-bit) |
| System communication | CUEnet2 | CUEnet2 | CUEnet2 |
| IP commands | - | - | - |
| Available | Apple AppStore | Google Play | CUE Web |

Professional Runtimes

- The same functionality as Standard Runtimes
- In addition any IP operated device can be controlled directly without a need of control unit
- Complete set of XPL2 IP commands available



iCUE-professional



aCUE-professional



pcCUE-professional

| | | | |
|----------------------|----------------------------|------------------------|---|
| Product code | CS0429 | CS0427 | CS0406 |
| Operating system | Apple iOS 5.0.1 and higher | Android 2.3 and higher | Microsoft® Windows XP/Vista/7/8 (32/64-bit) |
| System communication | CUEnet2 | CUEnet2 | CUEnet2 |
| IP commands | Complete set available | Complete set available | Complete set available |
| Available | Apple AppStore | Google Play | CUE Web |

Cue Reservation System

Cue Reservation System (CRS) is a new application that expands the range of user functions offered by the Cue System. It is software solution allowing plan, schedule and manage conference rooms, lecture rooms and other spaces using CUE touch panels. Microsoft Exchange Server® 2007/2010 is used for planning. In this software, every room has its own account, and its calendar is used to plan the occupation and use of rooms. Cue units communicate with the server through application Cue Exchange Connector.

Thus it is now possible to use CUE touch panels not only for the controlling of AV technology, lighting or heating, but also for the reserving of rooms, viewing their booking schedules or showing events that are currently taking place there.

The main function of the Cue Reservation System is a representation of the currently running event in a room (name of event and the period of time it runs for) as well as a representation of the nearest events to come. By touching the representation of the event on the screen, the user can view details of the event (the organiser, the importance, public or private character of the event, etc.). It is also possible to browse through a list of events taking place in the following days as well as those that took place in the previous days.

It is presumed that touch panels of the reservation system will be placed in two locations: at the entrance to the room and inside the room.

Panels placed in front of the entrance serve mainly for informing about events taking place in the room. Useful functions of the touch panel include the possibility of booking the room or viewing a list of empty rooms available at the moment.

Panels inside the room are used mainly for controlling all the technology, the reservation system being one of the controlling pages in these panels. There are other

functions of the reservation system that are suitable for these panels, for example the ending of the current event (and thus making the room available) or the prolonging of the event. The operator can take advantage of these functions if a planned event ends earlier or if it is necessary to prolong the time planned for the event.

Cue Reservation System also makes it possible to connect an external monitor (placed for instance at the reception) and view the list of all events in all rooms. It is of course possible (independent of Cue Reservation System) to plan room schedules through standard client applications for the Exchange Server, i.e. using the Microsoft Outlook® program.

CUE Reservation System thus enables clients to plan and administer room management in a comfortable, efficient and last but not least, attractive way.

- Dedicated calendar for each room
- Room reservation using standard appointments
- Events for every room can be displayed on the touch panel
- Complete room plan can be displayed on the central display device
- From a touch panel it is possible to view room schedule, finish or prolong current appointment, book a room, etc.

Order information

- One CRS Core Set is necessary for every application .
- Number of CRS Single Room Licenses depends on number of rooms.
- Room touch panels have to be ordered separately.
- Microsoft Exchange Server® is not part of delivery.



CRS Core Set



CRS Single Room License

| | | | |
|--------------|---|--------------|---|
| Product code | CS0407 | Product code | CS0408 |
| Description | ipCUE-omega with preinstalled Cue Exchange Connector for Microsoft Exchange Server® All necessary software blocks for CRS incl. application template | Description | License for one Microsoft Exchange Server® room account managed by Cue Exchange Connector |

Cue Site Manager

Cue Site Manager (CSM) is a software solution for IT staff and asset management allowing to remotely monitor and control boardrooms, offices, auditoriums, classrooms, private homes, flats, etc. and their associated controlled devices. Each site can be identified by name, group and location.

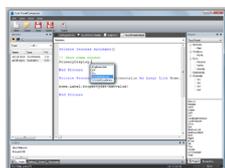
MONITOR

The system monitors any system attribute - lights, room temperature, volume, projector lamp life and power, etc. For each attribute the threshold value and condition can be defined and if this condition is reached one of the following actions will be triggered.

- Help request informs administrator that someone on site needs a help. Typically this action can be triggered using Help button on the touch panel.
- Maintenance request informs administrator that some site needs a maintenance. For example projector air filter needs to be cleaned.
- Service request informs administrator that some service is required, for example projector lamp needs to be replaced.
- Security alert informs administrator about some security issue. For example projector lost network connectivity. It can indicate, that projector has been stolen.

All actions described above can be customized to perform the following tasks

- Display on administrator application
- Send information to predefined e-mail addresses
- Write to log file



CSM Base

CONTROL

Each site has set of predefined commands which can be executed by administrator. For example administrator can switch on / off the projector, set room preset or light scene, etc.

FEATURES

- Communication is secured by password and unique transaction ID to avoid unauthorised access.
- Each site offers additional information for administrator - owner, phone number, prestige, equipment list, number of seats, etc.
- Administrator can sort site view according site name, group, location, identification, connection, power and actions.

Cue Site Manager consists of

- CSM Base - administrator application running on Windows PC with pcCUE-professional or ipCUE-omega or any cuenium2 12" touch panel
- CSM Data Provider - software running on one of the controller (touch panel) for each site being monitored.

Order information

- One CSM Base is necessary for every application
- Number of CSM Data Provider Site Licenses depends on number of monitored sites.
- All necessary hardware and / or software runtimes (iCUE, aCUE, pcCUE) have to be ordered separately.



CSM Data Provider Site License

| | | |
|--------------|--|--------------------------------|
| Product code | CS0424 | CS0425 |
| Description | All necessary software blocks for CSM incl. application template | License for one monitored site |

Packages

Wireless Touch Panel



Elite-B-7-wifi



Elite-A-7-wifi

| | | |
|----------------------|---|---|
| Product code | ST0051 | ST0052 |
| Description | Cost-effective wireless 7" touch panel control system Perfect for small sized applications | Wireless 7" touch panel control system Perfect for medium sized applications |
| Control panel | airCUE-7 | airCUE-7 |
| Controller | ipCUE-beta | ipCUE-alpha |
| Included accessories | Tabletop charging station Access point Control adapters Connector set and cables Power supplies | Tabletop charging station Access point Control adapters Connector set and cables Power supplies |

Wired Tabletop Touch Panel



Elite-B-7



Elite-A-7



Elite-A-12

| | | | |
|----------------------|--|--|--|
| Product code | ST0053 | ST0045 | ST0048 |
| Description | Cost-effective 7" touch panel control system Perfect for small sized applications | Wired 7" touch panel control system Perfect for medium sized applications | Wired 12" touch panel control system Perfect for large sized applications |
| Control panel | touchCUE-7 | touchCUE-7 | touchCUE-12 |
| Controller | ipCUE-beta | ipCUE-alpha | ipCUE-alpha |
| Included accessories | Control adapters Connector set and cables Power supplies | Control adapters Connector set and cables Power supplies | Control adapters Connector set and cables Power supplies |

Packages

Wired On-Wall Touch Panel



Elite-A-4X02-R8



Elite-S-7-W



Elite-S-12-W

| | | | |
|----------------------|---|--|--|
| Product code | ST0042-004 (stainless steel) ST0042-014 (graphite grey) | ST0046 | ST0049 |
| Description | Cost-effective 3.5" wired control system Perfect for small / medium sized applications | Wired 7" on-wall touch panel control system Perfect for medium sized applications | Wired 12" on-wall touch panel control system Perfect for large sized applications |
| Control panel | touchCUE-4X02-W | touchCUE-7-W | touchCUE-12-W |
| Controller | ipCUE-alpha | ipCUE-sigma | ipCUE-sigma |
| Power switching unit | relayCUE-8 | - | - |
| Included accessories | Control adapters Connector set and cables Power supplies | Control adapters Connector set and cables Power supplies | Control adapters Connector set and cables Power supplies |

Wired Built-In Touch Panel



Elite-S-4X02-B



Elite-S-7-B



Elite-S-12-B

| | | | |
|----------------------|--|---|---|
| Product code | ST0044 | ST0047 | ST0050 |
| Description | Cost-effective 3.5" wired control system Perfect for small to medium sized applications | Wired 7" built-in touch panel control system Perfect for medium sized applications | Wired 12" built-in touch panel control system Perfect for large sized applications |
| Control panel | touchCUE-4X02-B | touchCUE-7-B | touchCUE-12-B |
| Controller | ipCUE-sigma | ipCUE-sigma | ipCUE-sigma |
| Included accessories | Back box Control adapters Connector set and cables Power supplies | Back box Control adapters Connector set and cables Power supplies | Back box Control adapters Connector set and cables Power supplies |

Touch Panel Controllers

- Ethernet IP enabled touch panel and controller in one box
- Cost effective one-box control solution for built-in usage
- ARM® processor platform
- Real time clock (RTC) for scheduling applications

- Bi-directional control of any IP enabled products through Ethernet
- Variety types of control ports
- Web server and Admin Web for setup through a standard web browser
- Back box allows installation to all types of wall as well as to the lectern



uniCUE-7-B



uniCUE-12-B

| | | |
|---------------------------------------|---|--|
| Product code | CS0388 | CS0404 |
| Display type | TFT active matrix color LCD | TFT active matrix color LCD |
| Illumination | LED backlit | LED backlit |
| Display size | 7" (177.8 mm) diagonal | 12.1" (307.3 mm) diagonal |
| Resolution | 800 x 480 pixels | 1280 x 800 pixels |
| Colors | 32-bit (True Color) | 32-bit (True Color) |
| Transparency | 8-bit Alpha blending | 8-bit Alpha blending |
| Viewing angle | ±80° horizontal, ±80° vertical | ±80° horizontal, ±80° vertical |
| Touch overlay | Projective capacitive | Projective capacitive |
| Buttons | 1 programmable | 1 programmable |
| Sensors | Light and motion | Light and motion |
| Infra-red | IR transmitter and receiver | IR transmitter and receiver |
| Audio | Microphone and speakers Line in, line out | Microphone and speakers Line in, line out |
| Video | Full motion streaming video preview | Full motion streaming video preview |
| Memory | RAM 256 MB microSD Card min. 4 GB | RAM 256 MB microSD Card min. 4 GB |
| Wired 10/100 BaseT Ethernet | 1 | 1 |
| Bi-directional serial RS-232/422/485 | 2 | 2 |
| IR/Serial output | 4 | 4 |
| General I/O (analog in / digital out) | 4 | 4 |
| Low-voltage relay 24 V / 0.5 A | 2 | 2 |
| Power output | 5 V / max. 1 A | 5 V / max. 1 A |
| Power supply | 24 VDC | 24 VDC |
| Enclosure | Aluminium | Aluminium |
| Dimensions | 198 x 145 x 60 mm | 320 x 225 x 61 mm |
| Weight | 1.1 kg | 1.4 kg |
| Included accessories | 2x IR Adapter Connector set Ethernet cable Power supply | 2x IR Adapter Connector set Ethernet cable Power supply |
| Available accessories | Back Box Rack Mounting Kit 7 For details see section Accessories. It has to be ordered separately. | Back Box Rack Mounting Kit 12 For details see section Accessories. It has to be ordered separately. |

Wireless Touch Panels

- Wireless IP enabled touch panel
- ARM® processor platform
- Real time clock (RTC) for scheduling applications
- Bi-directional control of any IP enabled products through Ethernet



airCUE-7

| | |
|---|---|
| Product code | CS0374 |
| Display type | TFT active matrix color LCD |
| Illumination | LED backlit |
| Display size | 7" (177.8 mm) diagonal |
| Resolution | 800 x 480 pixels |
| Colors | 32-bit (True Color) |
| Transparency | 8-bit Alpha blending |
| Viewing angle | ±80° horizontal, ±80° vertical |
| Touch overlay | Projective capacitive |
| Buttons | 1 programmable |
| Sensors | Light and motion |
| Infra-red | IR transmitter and receiver |
| Audio | Microphone and speakers |
| Video | Full motion streaming video preview |
| Memory | RAM 256 MB microSD Card min. 4 GB |
| Wireless network, IEEE 802.11b/g Wi-Fi 2.4 GHz | 1 |
| Power supply | 12 VDC for charging |
| Enclosure | Aluminium |
| Dimensions | 198 x 145 x 27 mm |
| Weight | 0.8 kg |
| Included accessories | Tabletop charging station Power supply |
| Available accessories | Wall Charging Station 7 It has to be ordered separately. |

- Web server and Admin Web for setup through a standard web browser
- Aluminium enclosure
- Tabletop charging station included
- Wall charging station available



Wall Charging Station 7

| | |
|--------------|------------------------------------|
| Product code | CS0438 |
| Description | Wall charging station for airCUE-7 |
| Power supply | 12 VDC |
| Enclosure | Metal and plastic |
| Dimensions | 198 x 148 x 34 mm |
| Weight | 0.7 kg |

Wired Touch Panels

Tabletop Models

- Ethernet IP enabled touch panels for tabletop usage
- ARM® processor platform
- Real time clock (RTC) for scheduling applications
- Bi-directional control of any IP enabled products through Ethernet port
- Easy network integration
- Power over Ethernet (PoE)
- Web server and Admin Web for setup through a standard web browser
- 7" and 12" models equipped with tilting tabletop stand



touchCUE-4X02



touchCUE-7



touchCUE-12

| | touchCUE-4X02 | touchCUE-7 | touchCUE-12 |
|-----------------------------|--|--|--|
| Product code | CS0352-004 (stainless steel) CS0352-014 (graphite grey) | CS0375 | CS0382 |
| Display type | TFT active matrix color LCD | TFT active matrix color LCD | TFT active matrix color LCD |
| Illumination | LED backlit | LED backlit | LED backlit |
| Display size | 3.5" (89 mm) diagonal | 7" (177.8 mm) diagonal | 12.1" (307.3 mm) diagonal |
| Resolution | 320 x 240 pixels | 800 x 480 pixels | 1280 x 800 pixels |
| Colors | 16-bit (High Color) | 32-bit (True Color) | 32-bit (True Color) |
| Transparency | 8-bit Alpha blending | 8-bit Alpha blending | 8-bit Alpha blending |
| Viewing angle | ±70° horizontal, 80/60° vertical | ±80° horizontal, ±80° vertical | ±80° horizontal, ±80° vertical |
| Touch overlay | Resistive | Projective capacitive | Projective capacitive |
| Buttons | 4 programmable | 1 programmable | 1 programmable |
| Sensors | Light | Light and motion | Light and motion |
| Infra-red | - | IR transmitter and receiver | IR transmitter and receiver |
| Audio | - | Microphone and speakers | Microphone and speakers |
| Video | - | Full motion streaming video preview | Full motion streaming video preview |
| Memory | RAM 64 MB CompactFlash Card min. 1 GB | RAM 256 MB microSD Card min. 4 GB | RAM 256 MB microSD Card min. 4 GB |
| Wired 10/100 BaseT Ethernet | 1 | 1 | 1 |
| Power supply | Power over Ethernet IEEE 802.3af compatible | Power over Ethernet IEEE 802.3af compatible | Power over Ethernet IEEE 802.3at compatible |
| Enclosure | Plastic and steel Tabletop stand | Aluminium Tilting tabletop stand | Aluminium Tilting tabletop stand |
| Dimensions | 148 x 90 x 24 mm | 198 x 150 x 122 mm | 320 x 239 x 147 mm |
| Weight | 0.5 kg | 1.1 kg | 1.4 kg |
| Included accessories | Ethernet cable PoE Adapter | Ethernet cable PoE Adapter | Ethernet cable PoE Adapter |

Wired Touch Panels

On-Wall Models

- Ethernet IP enabled touch panels for on-wall usage
- ARM® processor platform
- Real time clock (RTC) for scheduling applications
- Bi-directional control of any IP enabled products through Ethernet port
- Easy network integration
- Power over Ethernet (PoE)
- Web server and Admin Web for setup through a standard web browser
- Compatible with standard European wall boxes



touchCUE-4X02-W



touchCUE-7-W



touchCUE-12-W

| | | | |
|-----------------------------|--|--|--|
| Product code | CS0326-004 (stainless steel) CS0326-014 (graphite grey) | CS0447 | CS0448 |
| Display type | TFT active matrix color LCD | TFT active matrix color LCD | TFT active matrix color LCD |
| Illumination | LED backlit | LED backlit | LED backlit |
| Display size | 3.5" (89 mm) diagonal | 7" (177.8 mm) diagonal | 12.1" (307.3 mm) diagonal |
| Resolution | 320 x 240 pixels | 800 x 480 pixels | 1280 x 800 pixels |
| Colors | 16-bit (High Color) | 32-bit (True Color) | 32-bit (True Color) |
| Transparency | 8-bit Alpha blending | 8-bit Alpha blending | 8-bit Alpha blending |
| Viewing angle | ±70° horizontal, 80/60° vertical | ±80° horizontal, ±80° vertical | ±80° horizontal, ±80° vertical |
| Touch overlay | Resistive | Projective capacitive | Projective capacitive |
| Buttons | 4 programmable | 1 programmable | 1 programmable |
| Sensors | Light | Light and motion | Light and motion |
| Infra-red | - | IR transmitter and receiver | IR transmitter and receiver |
| Audio | - | Microphone and speakers | Microphone and speakers |
| Video | - | Full motion streaming video preview | Full motion streaming video preview |
| Memory | RAM 64 MB CompactFlash Card min. 1 GB | RAM 256 MB microSD Card min. 4 GB | RAM 256 MB microSD Card min. 4 GB |
| Wired 10/100 BaseT Ethernet | 1 | 1 | 1 |
| Power supply | Power over Ethernet IEEE 802.3af compatible | Power over Ethernet IEEE 802.3af compatible | Power over Ethernet IEEE 802.3at compatible |
| Enclosure | Plastic and steel Compatible with European wall boxes | Aluminium Compatible with European wall boxes | Aluminium Compatible with European wall boxes |
| Dimensions | 148 x 90 x 24 mm | 198 x 145 x 24 mm | 320 x 225 x 24 mm |
| Weight | 0.5 kg | 1.1 kg | 1.4 kg |
| Included accessories | Wall mounting adapter Ethernet cable PoE Adapter | Wall mounting adapter Ethernet cable PoE Adapter | Wall mounting adapter Ethernet cable PoE Adapter |

Wired Touch Panels

Built-In Models

- Ethernet IP enabled touch panels for built-in usage
- ARM® processor platform
- Real time clock (RTC) for scheduling applications
- Bi-directional control of any IP enabled products through Ethernet port
- Easy network integration
- Power over Ethernet (PoE)
- Web server and Admin Web for setup through a standard web browser
- Back box allows installation to all types of wall as well as to the lectern



touchCUE-4X02-B

touchCUE-7-B

touchCUE-12-B

| | | | |
|-----------------------------|--|---|--|
| Product code | CS0344-004 | CS0376 | CS0383 |
| Display type | TFT active matrix color LCD | TFT active matrix color LCD | TFT active matrix color LCD |
| Illumination | LED backlit | LED backlit | LED backlit |
| Display size | 3.5" (89 mm) diagonal | 7" (177.8 mm) diagonal | 12.1" (307.3 mm) diagonal |
| Resolution | 320 x 240 pixels | 800 x 480 pixels | 1280 x 800 pixels |
| Colors | 16-bit (High Color) | 32-bit (True Color) | 32-bit (True Color) |
| Transparency | 8-bit Alpha blending | 8-bit Alpha blending | 8-bit Alpha blending |
| Viewing angle | ±70° horizontal, 80/60° vertical | ±80° horizontal, ±80° vertical | ±80° horizontal, ±80° vertical |
| Touch overlay | Resistive | Projective capacitive | Projective capacitive |
| Buttons | 4 programmable | 1 programmable | 1 programmable |
| Sensors | Light | Light and motion | Light and motion |
| Infra-red | - | IR transmitter and receiver | IR transmitter and receiver |
| Audio | - | Microphone and speakers | Microphone and speakers |
| Video | - | Full motion streaming video preview | Full motion streaming video preview |
| Memory | RAM 64 MB CompactFlash Card min. 1 GB | RAM 256 MB microSD Card min. 4 GB | RAM 256 MB microSD Card min. 4 GB |
| Wired 10/100 BaseT Ethernet | 1 | 1 | 1 |
| Power supply | Power over Ethernet IEEE 802.3af compatible | Power over Ethernet IEEE 802.3af compatible | Power over Ethernet IEEE 802.3at compatible |
| Enclosure | Stainless steel | Aluminium | Aluminium |
| Dimensions | 141 x 108 x 37 mm | 198 x 145 x 60 mm | 320 x 225 x 61 mm |
| Weight | 0.5 kg | 1.1 kg | 1.4 kg |
| Included accessories | Ethernet cable PoE Adapter | Ethernet cable PoE Adapter | Ethernet cable PoE Adapter |
| Available accessories | touchCUE-4X02-B Back Box For details see section Accessories. It has to be ordered separately. | Back Box Rack Mounting Kit 7 For details see section Accessories. It has to be ordered separately. | Back Box Rack Mounting Kit 12 For details see section Accessories. It has to be ordered separately. |

Display Controller

- Powerful IP enabled controller, server, touch monitor interface and any display device interface
- Runs standard projects created in Cue Visual Composer
- Core unit for ready to use applications - Cue Reservation System, Cue Site Manager
- Real time clock (RTC) for scheduling applications
- Bi-directional control of any IP enabled products through Ethernet port
- Easy network integration
- Web server and Admin Web for setup through a standard web browser



ipCUE-omega

| | |
|----------------------------------|---|
| Product code | CS0411 |
| CPU | Dual-Core Intel® Atom™ processor |
| Memory | RAM 2 GB SATA 2.5" solid state disk for operating system, user application and user data |
| Wired 10/100/1000 BaseT Ethernet | 1 |
| Communication ports | 2x USB 3.0 4x USB 2.0 |
| Audio | Line input and output Microphone input |
| Video | DVI output up to 1920 x 1200 pixels HDMI output up to 1920 x 1080 pixels |
| Power supply | 12 VDC / 8 W |
| Cooling | Fanless and noiseless passive |
| Enclosure | Metal |
| Dimensions | 192 x 62 x 210 mm |
| Weight | 1.5 kg |
| Included accessories | Ethernet cable Power supply |

Wireless Button Panels

Infra-Red Communication



irCUE



irCUE Receiver 485

| | | |
|----------------------|--|--|
| Product code | CS0324-004 (stainless steel) CS0324-014 (graphite grey) | CS0169 |
| Description | Wireless infra-red handheld remote control panel Dedicated buttons for most frequent functions Replaceable front panel plastic part for custom engraved button labels Quick charging by delivered tabletop charging station | Receiver for irCUE Designed for ceiling mount Signal receiving in a horizontal plane from all directions |
| Buttons | 33 buttons divided into groups | - |
| Wireless | One-way infra-red transmitting | One-way infra-red receiving |
| Receiving angles | - | 0° - 360° in horizontal plane, 60° in vertical plane |
| Serial communication | - | RS-485 |
| Power supply | Built-in Li-Ion rechargeable battery pack, 12 VDC for charging | 24 VDC |
| Enclosure | Metal / plastic | Metal with plastic cover |
| Dimensions | 55 x 236 x 21 mm | Diameter 81 mm, height 104 mm |
| Weight | 0.4 kg | 0.1 kg |
| Included accessories | Tabletop charging station | - |

Radio Communication



Tx Time Transmitters



Tx Element Transmitters



Tx Pocket Transmitters



Rx1 DIN/LOG



Rx Ext

| | | | | | |
|----------------------|---|--|---|--|--|
| Product code | CS0310-401 (2 buttons) CS0311-401 (4 buttons) | CS0312-401 (2 buttons) CS0313-401 (4 buttons) | CS0314-401 (1 button) CS0315-401 (4 buttons) CS0316-401 (2 buttons) CS0317-401 (4 buttons) | CS0450 | CS0319-401 |
| Description | Wall mounted transmitter ABB Time compatible Mounting with screws or adhesive tape No need to cut the wall | Wall mounted transmitter ABB Element compatible Mounting with screws or adhesive tape No need to cut the wall | Portable transmitters | Receiver for wall and portable transmitters Input for antenna or for external receiver Rx Ext | External receiver for Rx1 DIN/LOG Two-wire connection Indoor / outdoor usage |
| Buttons | 2 or 4 | 2 or 4 | 1, 2 or 4 | - | - |
| Wireless | Radio 433.92 MHz | Radio 433.92 MHz | Radio 433.92 MHz | Radio 433.92 MHz | Radio 433.92 MHz |
| Max. range | 60 m | 60 m | 40 - 50 m | - | - |
| Serial communication | - | - | - | RS-232 | - |
| Power supply | Lithium bat. 3 V, CR 2430 | Lithium bat. 3 V, CR 2430 | Lithium or alkaline bat. | 230 VAC / 50 Hz, 4 W | From Rx1 DIN/LOG |
| Battery lifetime | Up to 10 years | Up to 10 years | Up to 3 years | - | - |
| Enclosure | Plastic, protection IP20 | Plastic, protection IP20 | Plastic | Plastic, DIN rail compatible | Plastic, protection IP33 |
| Dimensions | 83 x 81 x 16 mm | 88 x 81 x 16 mm | Approx. 40 x 70 x 13 mm | 53 x 90 x 58 mm | 49 x 225 x 69 mm |
| Weight | 0.1 kg | 0.1 kg | Approx. 40 g | 0.25 kg | 0.5 kg |

Wired Button Panels

Tabletop and On-Wall Models



keypadCUE-8-L-T



keypadCUE-8-L



keypadCUE-8-E-T



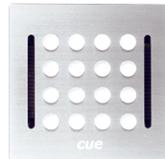
keypadCUE-8-E

| | | | | |
|----------------------|--|--|---|--|
| Product code | CS0398-004 (stainless steel) CS0398-014 (graphite grey) | CS0287-004 (stainless steel) CS0287-014 (graphite grey) | CS0399-004 (stainless steel) CS0399-014 (graphite grey) | CS0288-004 (stainless steel) CS0288-014 (graphite grey) |
| Description | Tabletop model | On-wall model compatible with European wall boxes | Tabletop model Replaceable plastic strips for custom engraved labels | On-wall model compatible with European wall boxes Replaceable plastic strips for custom engraved labels |
| Buttons | 8 | 8 | 8 | 8 |
| Custom labels | Engraved or printed on a printer LED backlit | Engraved or printed on a printer LED backlit | Engraved LED backlit | Engraved LED backlit |
| Indicators | 8 programmable LEDs | 8 programmable LEDs | 8 programmable LEDs | 8 programmable LEDs |
| IR sensor | 1 | 1 | 1 | 1 |
| Serial communication | RS-485 | RS-485 | RS-485 | RS-485 |
| Power supply | 24 VDC | 24 VDC | 24 VDC | 24 VDC |
| Enclosure | Metal / plastic | Metal / plastic | Metal / plastic | Metal / plastic |
| Dimensions | 140 x 90 x 19 mm | 140 x 90 x 19 mm | 140 x 90 x 19 mm | 140 x 90 x 19 mm |
| Weight | 0.4 kg | 0.4 kg | 0.4 kg | 0.4 kg |
| Included accessories | - | Wall mounting adapter | - | Wall mounting adapter |

Built-In Models



keypadCUE-1G



keypadCUE-2G



keypadCUE-3G

| | | | |
|----------------------|---------------------------------------|---------------------------------------|---------------------------------------|
| Product code | CS0221 | CS0222 | CS0223 |
| Description | Built-in model | Built-in model | Built-in model |
| Buttons | 8 with red backlit | 16 with red backlit | 24 with red backlit |
| Custom labels | Printed on a transparent foil | Printed on a transparent foil | Printed on a transparent foil |
| Bar graph 20-LEDs | 1 | 2 | 2 |
| Indication | Programmable two level button backlit | Programmable two level button backlit | Programmable two level button backlit |
| Communication | RS-485 | RS-485 | RS-485 |
| Power supply | 24 VDC, 3 W | 24 VDC, 4 W | 24 VDC, 4 W |
| Enclosure | Stainless steel front panel | Stainless steel front panel | Stainless steel front panel |
| Dimensions | 69 x 108 x 50 mm | 110 x 108 x 50 mm | 155 x 108 x 50 mm |
| Weight | 0.2 kg | 0.4 kg | 0.7 kg |
| Included accessories | Metal back box | Metal back box | Metal back box |

Controllers

controlCUE

- Ethernet IP enabled high-end controllers
- ARM® processor platform
- Variety types of control ports, infra-red outputs up to 1.2 MHz
- Bi-directional control of any IP enabled products through Ethernet port
- Front panel LED indicators for all control ports
- Real time clock (RTC) for scheduling applications
- Web server and Admin Web for setup through a standard web browser
- For available accessories see section Accessories



controlCUE-one



controlCUE-two

| | | |
|---------------------------------------|---|---|
| Product code | CS0412 | CS0414 |
| RAM / microSD Card | 256 MB / min. 4 GB | 256 MB / min. 4 GB |
| IR sensor for IR code capture | 1 | 1 |
| Wired 10/100 BaseT Ethernet | 1 | 1 |
| Bi-directional serial RS-232/422/485 | 2 | 6 |
| IR/Serial output | 4 | 8 |
| General I/O (analog in / digital out) | 4 | 8 |
| Low-voltage relay 24 V / 0.5 A | 2 | 4 |
| Audio | Line in, line out | Line in, line out |
| Power supply | 24 VDC | 24 VDC |
| Enclosure | Aluminium | Aluminium |
| Dimensions | 210 x 43.5 x 92 mm | 210 x 43.5 x 92 mm |
| Weight | 0.5 kg | 0.6 kg |
| Included accessories | 4x IR Adapter, Connector set, Ethernet cable, Power supply | 4x IR Adapter, Connector set, Ethernet cable, Power supply |

Controllers

ipCUE

- Ethernet IP enabled controllers
- Variety types of control ports, infra-red outputs up to 1.2 MHz
- Bi-directional control of any IP enabled products through Ethernet port
- Front panel LED indicators for all control ports
- Real time clock (RTC) for scheduling applications
- Web server and Admin Web for setup through a standard web browser
- DIN rail models available
- For available accessories see section Accessories



| | ipCUE-alpha | ipCUE-beta | ipCUE-epsilon | ipCUE-delta |
|--|--|--|--|--|
| Product code | CS0251 | CS0252 | CS0268 | CS0267 |
| RAM / Non-volatile flash memory | 16 MB / 16 MB |
| IR sensor for IR code capture | 1 | 1 | 1 | 1 |
| Wired 10/100 BaseT Ethernet | 1 | 1 | 1 | 1 |
| Bi-directional serial RS-232 | 2 | 2 | 2 | 2 |
| Bi-directional serial RS-485 | 1 | 1 | 1 | 1 |
| Bi-directional serial RS-232/422/485 | 4 | - | - | 4 |
| IR/Serial output | 8 | 8 | 8 | 8 |
| Digital I/O (digital in / digital out) | - | - | - | - |
| General I/O (analog in / digital out) | 8 | - | 8 | 8 |
| Analog output 0 - 10 V | - | - | 4 | 4 |
| Low-voltage relay 24 V / 0.5 A | 2 | - | 8 | 16 |
| Power output | 5 V / max. 1 A |
| Power supply | 24 VDC | 24 VDC | 24 VDC | 24 VDC |
| Enclosure | Aluminium | Aluminium | Aluminium | Aluminium |
| Dimensions | 210 x 43.5 x 92 mm | 210 x 43.5 x 92 mm | 210 x 43.5 x 92 mm | 421 x 43.5 x 92 mm |
| Weight | 0.6 kg | 0.5 kg | 0.6 kg | 0.9 kg |
| Included accessories | 4x IR Adapter, Connector set, Ethernet cable, Power supply | 4x IR Adapter, Connector set, Ethernet cable, Power supply | 4x IR Adapter, Connector set, Ethernet cable, Power supply | 4x IR Adapter, Connector set, Ethernet cable, Power supply |



| | ipCUE-gamma | ipCUE-sigma |
|--|--|--|
| Product code | CS0253 | CS0333 |
| RAM / Non-volatile flash memory | 16 MB / 16 MB | 16 MB / 16 MB |
| IR sensor for IR code capture | - | 1 |
| Wired 10/100 BaseT Ethernet | 1 | 1 |
| Bi-directional serial RS-232 | 2 | - |
| Bi-directional serial RS-485 | 1 | - |
| Bi-directional serial RS-232/422/485 | - | 4 |
| IR/Serial output | 2 | 3 |
| Digital I/O (digital in / digital out) | - | 12 |
| General I/O (analog in / digital out) | 8 | 8 |
| Analog output 0 - 10 V | - | - |
| Low-voltage relay 24 V / 0.5 A | 2 | - |
| Potential free relay 230 VAC / 10 A | - | 8 |
| Power output | - | 5 VDC / max. 1 A, 12 VDC / max. 400 mA |
| Power supply | 24 VDC | 24 VDC |
| Enclosure | Plastic, DIN rail compatible | Plastic, DIN rail compatible |
| Dimensions | 106 x 90 x 58 mm | 210 x 90 x 58 mm |
| Weight | 0.4 kg | 1.0 kg |
| Included accessories | 2x IR Adapter, Connector set, Ethernet cable, Power supply | 3x IR Adapter, Connector set, Ethernet cable, Power supply |

IP Interfaces

- Ultra-compact interfaces for cost-effective control port expanding
- Wired or wireless network communication
- Fully compatible with touch panels, controllers and mobile solution runtimes
- Front panel indicators for power, network and all control ports
- Programming in Cue Visual Composer
- Web server and Admin Web for setup through a standard web browser
- Unified aluminium enclosure for desktop, 19" rack, DIN rail and wall installation
- For available accessories see section Accessories

Wired Models



| | smartCUE-zero | smartCUE-one | smartCUE-two | smartCUE-three |
|--|--|--|--|--|
| Product code | CS0421 | CS0440 | CS0442 | CS0444 |
| Wired 10/100 BaseT Ethernet | 1 | 1 | 1 | 1 |
| Bi-directional serial RS-232 | 1 | 1 | 1 | 1 |
| Bi-directional serial RS-232/422/485 | 1 | - | - | - |
| IR/Serial output | - | - | - | 4 |
| Digital I/O (digital in / digital out) | 4 | 8 | 8 | 8 |
| General I/O (analog in / digital out) | - | - | - | 4 |
| Low-voltage relay | - | - | 6 | - |
| Power supply | Power over Ethernet, IEEE 802.3af compatible |
| Enclosure | Aluminium | Aluminium | Aluminium | Aluminium |
| Dimensions | 105 x 43.5 x 92 mm |
| Weight | 0.3 kg | 0.3 kg | 0.3 kg | 0.3 kg |
| Included accessories | Connector set Ethernet cable | Connector set Ethernet cable | Connector set Ethernet cable | Connector set Ethernet cable |

Wireless Models



| | smartCUE-zero-wifi | smartCUE-one-wifi | smartCUE-two-wifi | smartCUE-three-wifi |
|--|---|---|---|---|
| Product code | CS0423 | CS0441 | CS0443 | CS0445 |
| Wireless network, IEEE 802.11b/g Wi-Fi 2.4 GHz | 1 | 1 | 1 | 1 |
| Bi-directional serial RS-232 | 1 | 1 | 1 | 1 |
| Bi-directional serial RS-232/422/485 | 1 | - | - | - |
| IR/Serial output | - | - | - | 4 |
| Digital I/O (digital in / digital out) | 4 | 8 | 8 | 8 |
| General I/O (analog in / digital out) | - | - | - | 4 |
| Low-voltage relay | - | - | 6 | - |
| Power supply | 12 to 24 VDC |
| Enclosure | Aluminium | Aluminium | Aluminium | Aluminium |
| Dimensions | 105 x 43.5 x 92 mm |
| Weight | 0.3 kg | 0.3 kg | 0.3 kg | 0.3 kg |
| Included accessories | Connector set Ethernet cable Power supply |

Interfaces



sensorCUE



sensorCUE-W



inputCUE



inputCUE-W



PEA208

| | | | | | |
|---------------|--|---|---|--|---|
| Product code | CS0265 | CS0289-101 | CS0191 | CS0334 | CS0225-1 (version 110 V) CS0225-2 (version 230 V) |
| Description | Temperature and daylight sensor for outdoor use | Temperature and daylight sensor for indoor use | Contact input unit LED indicator Address settings by DIP switch | Contact and temperature sensor input unit Delivered with IO cables and connectors | Analog output 0 - 10 V Build-in relays LED indicators |
| Inputs | Temperature measurement -55 ÷ +125°C Daylight sensor may be calibrated for day / night light level recognition | Temperature measurement -20 ÷ +50°C Daylight sensor may be calibrated for day / night light level recognition | 8x potential free contact | 8x potential free contact 1x sensor Pt1000 | 4x Potential free contact |
| Outputs | - | - | - | 8x Digital output TTL suitable for LED | 2x Analog output 0 - 10 V 2x Relay 230 V, max. 8 A |
| Communication | RS-485 | RS-485 | RS-485 | RS-485 | RS-485 |
| Buttons | - | - | - | - | 4x test button |
| Power supply | 24 VDC | 24 VDC | 24 VDC | 24 VDC | 110 or 230 VAC |
| Enclosure | Metal, protection IP43 | Plastic, European electrical wall box compatible | Plastic, DIN rail compatible | European electrical wall box compatible | Plastic, DIN rail compatible |
| Dimensions | 80 x 30 x 15 mm | 83 x 81 x 16 mm | 53 x 90 x 58 mm | 50 x 21 mm | 71 x 90 x 58 mm |
| Weight | 0.2 kg | 0.1 kg | 0.3 kg | 0.1 kg | 0.3 kg |



KNXgw232



sbiCUE-DMX



PEC25



PEF150



PEF200

| | | | | | |
|---------------|---|---|--|---|---|
| Product code | CS0439 | CS0201 | CS0163 | CS0249-1 (version 110 V) CS0249-2 (version 230 V) | CS0166-1 (version 110 V) CS0166-2 (version 230 V) |
| Description | KNX/EIB bus interface Control through RS-232 | DMX512 interface with separate input and output Full channel range reception, transmission and merge | RS-232 / 485 converter Dedicated for PER610, PETxxx, PEDxxx, PEFxxx and PEA208 Baud rate 19 200 bits/s | Interface for fluorescent lamp DALI dimming ballasts | Two-channel interface for fluorescent lamp DSI dimming ballasts |
| Inputs | KNX/EIB bus | DMX512 input, full range of 512 channels | Bi-directional RS-232 | 4x Potential free contact | 4x Potential free contact |
| Outputs | KNX/EIB bus | DMX512 output, full range of 512 channels | Bi-directional RS-485 | 1x DALI up to 64 dimming ballasts, controls up to 15 independent groups | 2x DSI ports, each up to 50 electronic ballasts |
| Communication | RS-232 | RS-232 | RS-232 / RS-485 | RS-485 | RS-485 |
| Buttons | - | - | - | 4x test button | 4x test button |
| Indicators | KNX/EIB send / receive RS-232 send / receive | Power, DMX512 activity | Channel activity | Power, serial channel, status of two groups | Power, serial channel, status of outputs |
| Power supply | From KNX bus / 10 mA | 24 VDC | 7.5 - 24 VDC | 110 or 230 VAC | 110 or 230 VAC |
| Enclosure | Plastic, DIN rail compatible | Plastic, DIN rail compatible | Plastic, DIN rail compatible | Plastic, DIN rail compatible | Plastic, DIN rail compatible |
| Dimensions | 17 x 90 x 58 mm | 53 x 90 x 58 mm | 36 x 90 x 58 mm | 71 x 90 x 58 mm | 71 x 90 x 58 mm |
| Weight | 0.1 kg | 0.3 kg | 0.1 kg | 0.3 kg | 0.3 kg |

Power Switching Units



relayCUE-8

powerAUX

PER610

PES03

| | | | | |
|------------------------------|--|--|--|--|
| Product code | CS0335-1 (version 110 V) CS0335-2 (version 230 V) | CS0016 | CS0167-1 (version 110 V) CS0167-2 (version 230 V) | CS0168 |
| Description | Eight relay switching unit Control through RS-485 or potential free contact inputs | Eight relay switching unit Control through potential free contact inputs | Six relay switching unit Control through RS-485 or potential free contact inputs | Three channel suppressor unit for switching channels Maximum voltage 275 VAC Max. load current 10 A |
| Potential free relay C-NO | 4x 230 V / 10 A | 4x 230 V / 16 A | - | - |
| Potential free relay NC-C-NO | 4x 230 V / 10 A | 4x 230 V / 16 A | 6x 230 V / 10 A | - |
| Serial communication | RS-485 | - | RS-485 | - |
| Potential free contact input | 8 | 8 | 6 | - |
| Test buttons | 8 | - | 6 | - |
| Indicators | Power Serial channel activity Status of all relays | Power Status of all relays | Power Serial channel activity Status of all relays | - |
| Power supply | 230 or 110 VAC | 230 or 110 VAC | 230 or 110 VAC | 230 or 110 VAC |
| Enclosure | Plastic, DIN rail compatible | Plastic, DIN rail compatible | Plastic, DIN rail compatible | Plastic, DIN rail compatible |
| Dimensions | 158 x 90 x 58 mm | 158 x 90 x 58 mm | 106 x 90 x 58 mm | 36 x 90 x 58 mm |
| Weight | 0.5 kg | 0.5 kg | 0.5 kg | 0.1 kg |

Dimmers



PED108



PED202



PET102



PET105

| | PED108 | PED202 | PET102 | PET105 |
|-------------------------------|--|--|---|---|
| Product code | CS0164-1 (version 110 V) CS0164-2 (version 230 V) | CS0165-1 (version 110 V) CS0165-2 (version 230 V) | CS0244-1 (version 110 V) CS0244-2 (version 230 V) | CS0245-1 (version 110 V) CS0245-2 (version 230 V) |
| Description | One-channel dimmer Control through RS-485 or potential free contact inputs | Two-channel dimmer Control through RS-485 or potential free contact inputs | One-channel dimmer Control through RS-485 or potential free contact inputs Suitable for electronic transformers | One-channel dimmer Control through RS-485 or potential free contact inputs Suitable for electronic transformers |
| Outputs | 1 | 2 | 1 | 1 |
| Output load type | Resistive and inductive | Resistive and inductive | Resistive and capacitive | Resistive and capacitive |
| Max. output load per channel | 8 A | 2.7 A (max. 4 A total) | 2 A | 5 A |
| Over-current protection | Fuse | Fuse | Electronic | Electronic |
| Serial communication | RS-485 | RS-485 | RS-485 | RS-485 |
| Potential free contact input | 2 | 4 | 2 | 2 |
| Test buttons | 2 | 4 | 2 | 2 |
| Indicators | Power Serial channel activity Status of output | Power Serial channel activity Status of outputs | Power Serial channel activity Status of output | Power Serial channel activity Status of output |
| Front panel indicators | | | | |
| Power supply | 230 or 110 VAC | 230 or 110 VAC | 230 or 110 VAC | 230 or 110 VAC |
| Enclosure | Plastic, DIN rail compatible | Plastic, DIN rail compatible | Plastic, DIN rail compatible | Plastic, DIN rail compatible |
| Dimensions | 106 x 90 x 58 mm | 106 x 90 x 58 mm | 53 x 90 x 58 mm | 53 x 90 x 58 mm |
| Weight | 0.8 kg | 0.5 kg | 0.5 kg | 0.5 kg |

Power Supplies



| | CUEadapter-12J24 | CUEadapter-24J24 | CUEadapter-24P24 | CUEadapter /65W | CUEadapter-24DIN30 | CUEadapter-24DIN60 |
|--------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| Product code | CS0435 | CS0436 | CS0437 | CS0293 | CS0367 | CS0368 |
| Description | AC/DC switching mode power supply |
| Output | 12 VDC / 24 W | 24 VDC / 24 W | 24 VDC / 24 W | 24 VDC / 65 W | 24 VDC / 30 W | 24 VDC / 60 W |
| Connector | Power Jack | Power Jack | 2-pin, 3.5 mm | 2-pin, 5 mm | Terminals | Terminals |
| Power supply | 90 to 240 VAC | 90 to 240 VAC | 90 to 240 VAC | 100 to 240 VAC | 85 to 264 VAC | 88 to 264 VAC |
| Enclosure | Plastic | Plastic | Plastic | Plastic | Plastic, DIN rail compatible | Plastic, DIN rail compatible |
| Dimensions | 94 x 46 x 36 mm | 94 x 46 x 36 mm | 94 x 46 x 36 mm | 114 x 54 x 34 mm | 78 x 93 x 56 mm | 78 x 93 x 56 mm |
| Weight | 0.2 kg | 0.2 kg | 0.2 kg | 0.3 kg | 0.3 kg | 0.3 kg |

Power over Ethernet



| | PoE Adapter | PoE+ Adapter | PoE Ethernet Switch |
|--------------|--|--|--|
| Product code | CS0327 | CS0410 | CS0328 |
| Description | PoE injector IEEE 802.3af compliant | PoE injector IEEE 802.3at compliant | 8-port PoE Ethernet switch 802.3af compliant |
| Input | Ethernet, RJ-45 connector | Ethernet RJ-45 connector | - |
| Output | Ethernet with PoE, 48 VDC / 15.4 W RJ-45 connector | Ethernet with PoE, 56 VDC / 33.6 W RJ-45 connector | Max. 15.4 W PoE on all ports simultaneously RJ-45 connectors |
| Power supply | 100 to 240 VAC | 100 to 240 VAC | 100 to 240 VAC, external adapter |
| Enclosure | Plastic | Plastic | Fully rack-mountable plastic / metal |
| Dimensions | 140 x 65 x 36 mm | 140 x 65 x 36 mm | 279 x 45 x 170 mm |
| Weight | 0.2 kg | 0.2 kg | 1.2 kg |

Accessories



touchCUE-4X02-B Back Box



Back Box



Rack Mounting Kit 7



Rack Mounting Kit 12



Rack Mounting Shelf

| | | | | | |
|--------------|-----------------------------------|--|---|---|---|
| Product code | CS0344-MB | CS0409 | CS0418 | CS0419 | CS0449 |
| Description | Back box for - touchCUE-4X02-B | Back box for - touchCUE-7-B, -12-B - uniCUE-7-B, -12-B | 19" rack mounting kit for - touchCUE-7-B - uniCUE-7-B | 19" rack mounting kit for - touchCUE-12-B - uniCUE-12-B | 19" rack mounting kit for - Controllers - Ethernet interfaces |
| Enclosure | Metal | Metal | Stainless steel | Stainless steel | Stainless steel |
| Dimensions | 135 x 105 x 55 mm | 189 x 135 x 46 mm | Rack 19", 4 U | Rack 19", 6 U | Rack 19", 1 U |
| Weight | 0.4 kg | 0.5 kg | 1.6 kg | 2.5 kg | 1.3 kg |



IR Adapter /i



Opto-Input Adapter /i



IR Sprayer



UTP Organiser

| | | | | |
|--------------|--|---|--|---|
| Product code | CS0256 | CS0257 | CS0295 (IR Sprayer) CS0299 (IR Sprayer incl. Wall Mounting Adapter) | CS0422 |
| Description | Infra-red emitter Compatible with IR/serial output Mounting on the receiver window with double-sided adhesive tape | Photosensitive cell sensor Compatible with IR/serial output Mounting on the indicator with double-sided adhesive tape | IR control signal emitter Compatible with IR/serial output Controls multiple devices Power supply 5 VDC | Brings all 8 pins of RJ-45 connector to 8-pin Phoenix type connector DIN rail compatible |
| Cable length | 2 m | 2 m | 2 m | - |
| Connectors | 2-pin, 3.5 mm | 2-pin, 3.5 mm | 2x 2-pin, 3.5 mm | RJ-45 8-pin, 3.5 mm |



Serial IO Cable DTE /i



Serial IO Cable DCE /i



Cable RS-485 to PEbus



CUEwire Splitter

| | | | | |
|--------------|---|---|--|---|
| Product code | CA0181-P05 (length 0.5 m) CA0181-P30 (length 3.0 m) CA0181-PU (user cable length) | CA0182-P05 (length 0.5 m) CA0182-P30 (length 3.0 m) CA0182-PU (user cable length) | CA0183 | CS0232 |
| Description | RS-232 serial cable DTE | RS-232 serial cable DCE | RS-485 serial cable between controller and power switching units, dimmers and interfaces | Connection up to 4 CUEwire devices to one controller Dedicated power supply connector DIN rail compatible enclosure |
| Connectors | 5-pin, 3.5 mm DB-9-M (controlled device) | 5-pin, 3.5 mm DB-9-F (controlled device) | 5-pin, 3.5 mm RJ-11 | 6x 4-pin, 5 mm (CUEwire) 1x 2-pin, 5 mm (power supply) |

cue

PRODUCT OVERVIEW

