

Overview

CueServers are powerful lighting control and show playback processors designed to be completely self-contained and extremely cost effective. Available in a series of models, these powerhouse controllers provide limitless solutions to the lighting professional.

CueServer 3 Flex+ is the most flexible model in the CueServer 3 family and is housed in a small ruggedized enclosure that can be DIN-rail, panel, or desktop mounted.

All CueServer 3 processors are built around a high-performance quad-core CPU, custom I/O coprocessor, and Gigabit Ethernet to run the most demanding projects up to 16,384 channels, generate beautiful effects, and to host your custom designed layouts to touchscreens and mobile devices with ease.

CueServer 3 Flex+ offers a top-panel touchscreen for quick access to function buttons, system status, configuration, and diagnostics.

The back of **CueServer 3 Flex+** contains an array of four smart module slots. Each slot can optionally be fitted with a range of expansion modules such as isolated DMX ports, digital I/O functions, serial ports, relays, and more. Smart modules can be used to configure CueServer to the specific needs of each project.

CueServer 3 Flex+ also includes four additional terminal-block ports that can be individually configured as isolated DMX, Station Bus or RS-485 for a total of 8 I/O ports.

Additionally, **CueServer 3 Flex+** features dual Gigabit Ethernet ports to optionally separate lighting data from control data and stereo audio input/output for playing sound effects or music, or SMPTE timecode input.

For ultimate flexibility, **CueServer 3 Flex+** can be powered by PoE, PoE+, or a DC input voltage. For powering external button stations or other accessory items, an auxiliary DC output is also provided.

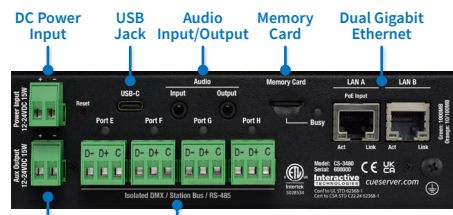
Features

- Completely self-contained lighting playback, architectural processor, and DMX fade engine with effects generator
- Seamless handling of Cue Lists, Presets, and Streams
- Control of up to 32 universes of DMX or 32 independent playback timelines
- Dynamic patching of up to 16,384 channels to 128 separate sACN, Art-Net, or KiNET universes
- Dual Gigabit Ethernet ports for separate configurable lighting data and management networks
- Flexible power options include PoE, PoE+, or DC input
- Convenient DC power output for powering external button stations or other accessory items
- Flexible module slots for installing a range of expansion modules that support DMX, I/O, Serial, Relays and more

(Features continued on back...)



CS-3480
CueServer 3 Flex+



Front Panel



Rear Panel



Optional Smart Modules

** Smart Modules Sold Separately*

Applications

- Commercial or Residential
- Architectural or Entertainment Lighting
- Themed Entertainment Venues
- Cruise Ships
- Museums
- Broadcast Studios
- Water Fountains
- Trade Shows
- Building Management

Interactive Technologies, Inc.

5295 Lake Pointe Center Drive
Cumming, GA 30041 USA
1-678-455-9019
interactive-online.com

Catalog #:

Project:

Prepared by:

Date:

Specifications

Feature	Detail	Description	
Installable Options	DMX Channels	1,024 Channels (Standard) Up to 16,384 Channels may be licensed	
Capacity (per Show)	Universe Patching	128 sACN, Art-Net, or KiNET universes	
	Playbacks	Up to 32, depending on number of Channels †	
	Cues	1,000,000 per Cue Stack*	* Note: These parameters may be limited by available SD Card storage space
	Cue Stacks, Web Content, Audio Clips	Unlimited*	
	Groups, Macros	100,000 each*	
	Stations, Timers, Rules, MIDI Events, Serial Triggers	1,000 each*	
Zones (Rooms)	100*		
Protocols	Ethernet	UDP, TCP, HTTP, TELNET, NTP, sACN, Art-Net, KiNet v1/v2, CueScript, CueStation	
	Serial	User-Defined ASCII, CueScript, CueStation	
Connections	Power Input/Output	(2x) 5.08mm Pitch Pluggable Terminal Block	
	Network	(2x) RJ45 10/100/1000 Base-T Ethernet	
	I/O	(4x) Smart module slots, each accommodating a variety of optional modules; and (4x) Removable 5.08mm pitch terminal block ports individually configurable as isolated DMX, Station Bus, or RS-485 ports	
	Audio	(2x) 3.5mm (1/8") audio jacks for stereo audio input and output	
	USB	USB-C Host Port	
User Interface	LCD	4.0" Capacitive Color 480x128 LCD Touchscreen	
Power	Input	PoE (802.3af) or PoE+ (802.3at) on LAN A port, or 12-24VDC, 7.7 Watts Max (all ports enabled and fully loaded, no modules installed) Note: Add each module's power consumption and auxiliary output consumption to determine total wattage	
	Output	DC output for powering external button stations or other accessory items	
Memory	Removable Card	Micro SD (FAT32 formatted cards up to 2TB)	
Real Time Clock	Type	Battery-backed, 1 second resolution, less than +/-5ppm drift	
	Synchronization	Automatic using Network Time Protocol (NTP)	
	Event Triggers	Time of day, day of week, day of month, week of month, year, date range, astronomical time (relative to sunrise or sunset +/- specified offset)	
Compliance	Standards	cETLus, CE, UKCA, RoHS, CB Scheme, FCC 47 CFR Part 15 Subpart B, IC ICES-003, IEC 61000-3-2, IEC 61000-3-3, IEC 61000-6-1, IEC 61000-6-3, IEC 62368-1	
Physical	Width	6.3" (160 mm) without mounting flanges 7.7" (196 mm) with mounting flanges	
	Depth	4.6" (116 mm) without cables attached	
	Height	2.0" (50 mm) without mounting feet or brackets 2.1" (54 mm) with bumpon feet installed 2.3" (58 mm) with DIN brackets installed	
	Weight	1.2 lbs. (0.54 kg)	
Environmental	Operating Temperature	-13° to 158° F (-25° to 70° C)	
	Storage Temperature	-40° to 176° F (-40° to 80°C)	
	Humidity	5 to 95%, non-condensing	
	Altitude	10,000 feet maximum	

† The number of channel universes times the number of playbacks must be 32 or less.

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Features (continued)

- Four removable terminal block ports that can be individually configured as isolated DMX, Station Bus, or RS-485
- Creation of lighting scenes directly or capture from external sources
- Powerful CueScript scripting language
- Real-Time clock with astronomical and calendar events
- Built-in web server for hosting custom interactive web pages
- Multi-show storage on removable microSD memory card
- System integration via Ethernet, Serial, Digital I/O, and Audio
- Compatible with CueStation buttons and Insite touchscreens
- Easy interfacing with Crestron, AMX, Vantage, Control 4, Medialon, Savant and other automation systems
- Native programming environment for both Mac and Windows
- Small enclosure with desktop, DIN-rail, or panel mounting options

Ordering

CueServer 3 Flex+

CS-3480

CueServer 3 Flex+

Includes CueServer 3 Flex+, four empty module slots, DIN mounting brackets, panel mounting flanges, and 1,024 channel license

CS-UNIV

Additional Universe License

Adds one additional universe of channels (maximum 32)

Optional Smart Modules

SM-(xxxx)

Expand the capabilities of CueServer 3 Pro by adding up to four smart modules (sold separately). See separate specification sheets for more information.

