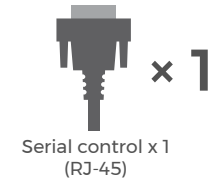
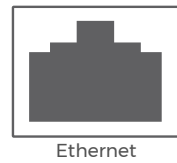
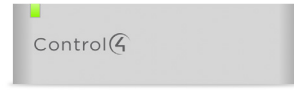
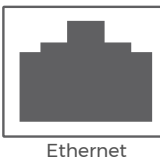
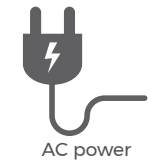
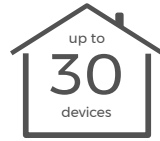


# Control4® Controller Selection Guide | Entertainment and Automation V2 Controllers (EA) and Automation Controllers (CA)

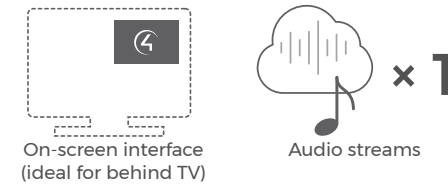
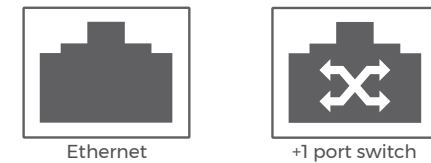
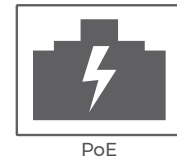
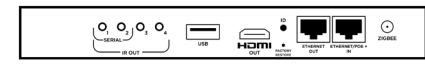
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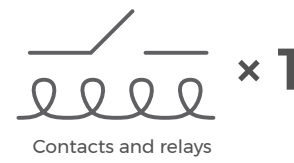
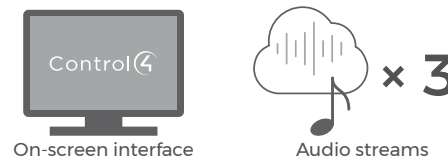
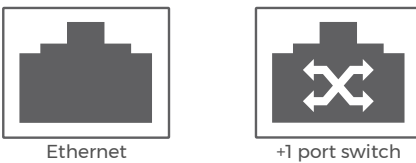
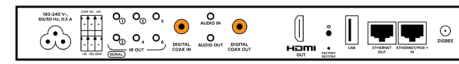
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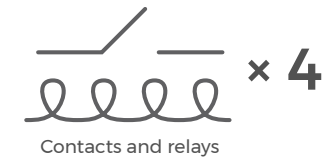
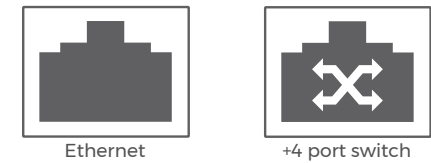
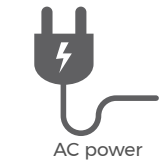
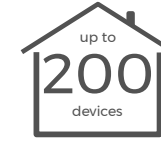
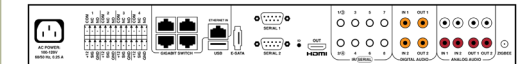
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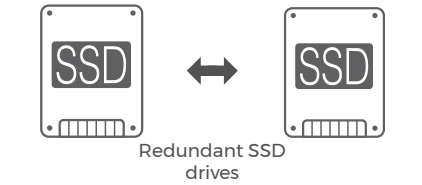
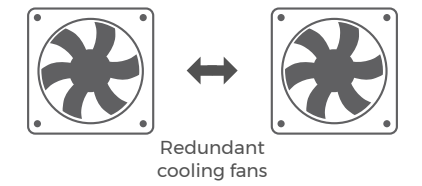
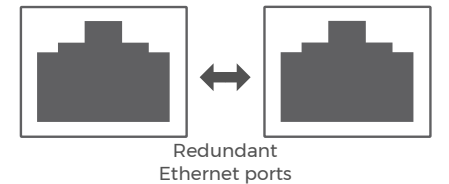
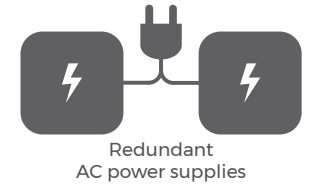
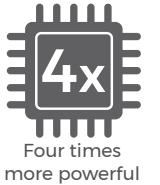
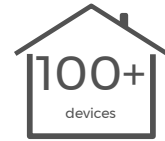
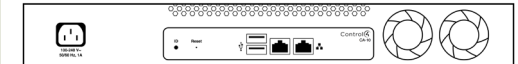
## EA-3-V2



## EA-5-V2



## CA-10



# Control4® Controller Specifications | Entertainment and Automation V2 Controllers (EA) and Automation Controllers (CA)



	CA-1	EA-1 V2	EA-1 V2 PoE	EA-3 V2	EA-5 V2	CA-10	
SYSTEM	<b>Project size as primary controller</b>	Up to 20 devices	Up to 30 devices	Up to 30 devices	Up to 50 devices	Up to 200 devices	100+ devices
	<b>Usage recommendation</b>	Use for small, non-AV projects or as secondary controller in large projects. Ideal as a secondary Zigbee mesh controller.	Use for small projects that need AV control or as secondary controller in large projects.	Use for small projects that need AV control or as secondary controller in large projects. PoE makes this controller easy to mount behind every TV.	Use for medium-sized projects that need AV control or as a secondary controller where you need a contact or relay.	Use for large projects that need AV control or as a secondary controller where you need more AV outputs and contacts or relays.	Use for the largest projects and where you need maximum uptime/reliability. Must add other controllers for AV outputs and contacts/relays.
	<b>Internal storage (project, announcements, custom wallpaper)</b>	6 GB shared with OS	8 GB shared with OS	8 GB shared with OS	8 GB shared with OS	8 GB shared with OS	32 GB in redundant Raid 1 configuration
	<b>Minimum OS supported</b>	OS 2.10.0+	OS 2.10.2+	OS 2.10.2+	OS 2.10.2+	OS 2.10.2+	OS 3.1.0+
AUDIO/VIDEO	<b>Video out for On-screen interface</b>	—	1 video out—HDMI	1 video out—HDMI	1 video out—HDMI	1 video out—HDMI	—
	<b>Video format</b>	—	HDMI 1.4 output; HD 1080p, 50-60 Hz	HDMI 1.4 output; HD 1080p, 50-60 Hz	HDMI 1.4 output; HD 1080p, 50-60 Hz	HDMI 1.4 output; HD 1080p, 50-60 Hz	—
	<b>Audio out</b>	—	1 audio out—HDMI	1 audio out—HDMI	3 audio out—1 HDMI, 1 stereo analog (3.5 mm), 1 digital coax	5 audio out—1 HDMI, 2 stereo analog, 2 digital coax	—
	<b>Audio in</b>	—	—	—	2 audio in—1 stereo analog (3.5 mm), 1 digital coax	4 audio in—2 stereo analog, 2 digital coax	—
	<b>Audio playback formats</b>	—	AAC, AIFF, ALAC, FLAC, M4A, MP2, MP3, MP4/M4A, Ogg Vorbis, PCM, WAV, WMA	AAC, AIFF, ALAC, FLAC, M4A, MP2, MP3, MP4/M4A, Ogg Vorbis, PCM, WAV, WMA	AAC, AIFF, ALAC, FLAC, M4A, MP2, MP3, MP4/M4A, Ogg Vorbis, PCM, WAV, WMA	AAC, AIFF, ALAC, FLAC, M4A, MP2, MP3, MP4/M4A, Ogg Vorbis, PCM, WAV, WMA	—
	<b>High-res audio playback</b>	—	Up to 192 kHz / 24 bit	Up to 192 kHz / 24 bit	Up to 192 kHz / 24 bit	Up to 192 kHz / 24 bit	—
	<b>Advanced audio subsystem</b>	—	—	—	Dedicated audio signal processor	Dual audio signal processors, multiple sample rate converters	—
	<b>Audio system controls</b>	—	—	—	(analog only) 10-band graphic equalizer, input gain, output gain, loudness, tone controls, balance	(analog and digital coax) 10-band graphic equalizer, input gain, output gain, loudness, tone controls, balance	—
	<b>Signal-to-noise ratio</b>	—	—	—	<-110 dBFS	<-118 dBFS	—
	<b>Total harmonic distortion</b>	—	—	—	0.0015 (-96.5 dB)	0.00023 (-110 dB)	—
NETWORK	<b>Music services</b>	Requires Triad One for audio output. Does not support Spotify Connect, ShairBridge, or My Music scanning.	Pandora®, Napster®, Spotify Connect, TuneIn, TIDAL, Deezer, Qobuz, Sirius XM, iHeartRadio, SOUNDMACHINE, Amazon Music, Radio.com	Pandora®, Napster®, Spotify Connect, TuneIn, TIDAL, Deezer, Qobuz, Sirius XM, iHeartRadio, SOUNDMACHINE, Amazon Music, Radio.com	Pandora®, Napster®, Spotify Connect, TuneIn, TIDAL, Deezer, Qobuz, Sirius XM, iHeartRadio, SOUNDMACHINE, Amazon Music, Radio.com	Pandora®, Napster®, Spotify Connect, TuneIn, TIDAL, Deezer, Qobuz, Sirius XM, iHeartRadio, SOUNDMACHINE, Amazon Music, Radio.com	(secondary controller required) Pandora®, Napster®, Spotify Connect, TuneIn, TIDAL, Deezer, Qobuz, Sirius XM, iHeartRadio, SOUNDMACHINE, Amazon Music, Radio.com,
	<b>ShairBridge</b>	—	Up to 20 instances of the driver in the project, 1 concurrent stream	Up to 20 instances of the driver in the project, 1 concurrent stream	Up to 20 instances of the driver in the project, 3 concurrent streams	Up to 20 instances of the driver in the project, 5 concurrent streams	(secondary controller required) Up to 20 instances of the driver in the project
	<b>Ethernet</b>	10/100BaseT compatible (required for controller setup)	10/100/1000BaseT compatible (required for controller setup)	10/100/1000BaseT PoE+ (required for controller setup and power)	10/100/1000BaseT compatible (required for controller setup), PoE+ supported	10/100/1000BaseT compatible (required for controller setup)	Redundant 10/100/1000BaseT compatible
	<b>Power over Ethernet (PoE)</b>	802.3af / 12.95W	—	—	802.3t-2009 (PoE+) / 25.5W	—	—
	<b>Built-in switch</b>	—	—	1 Ethernet/PoE in + 1 Ethernet switch port	1 Ethernet/PoE in + 1 Ethernet switch port	1 Ethernet in + 4 gigabit Ethernet switch ports	Redundant ports do not operate as a switch
	<b>Wireless</b>	Wireless-N (2.4 GHz, 802.11n/g/b)	Wireless-N (2.4 GHz, 802.11n/g/b)	—	Optional adapter—dual-band Wireless-N (2.4 GHz, 5 GHz, 802.11n/g/b)	Optional adapter—dual-band Wireless-N (2.4 GHz, 5 GHz, 802.11n/g/b)	—
	<b>Wireless security</b>	WPA./WPA2	WPA/WPA2	—	WPA/WPA2	WPA/WPA2	—
	<b>Wireless antenna</b>	External reverse SMA connector	External reverse SMA connector	—	USB adapter	USB adapter	—
	<b>ZigBee Pro</b>	802.15.4	802.15.4	802.15.4	802.15.4	802.15.4	—
	<b>ZigBee antenna</b>	External reverse SMA connector	External reverse SMA connector	External reverse SMA connector	External reverse SMA connector	External reverse SMA connector	—
CONTROL	<b>USB port</b>	2 USB 2.0 ports	1 USB 2.0 port	1 USB 2.0 port	1 USB 2.0 port	2 USB 3.0 ports	
	<b>eSATA port</b>	—	—	—	1 eSATA port	—	
	<b>IR out</b>	—	4 IR out, 1 IR blaster, front	4 IR out, 1 IR blaster, front	6 IR out, 1 IR blaster, front	8 IR out, 1 IR blaster, front	—
	<b>IR capture</b>	—	1 IR receiver, front	1 IR receiver, front	1 IR receiver, front	1 IR receiver, front	—
	<b>Serial out</b>	1 serial out—1 RJ-45 (RS-232) port	2 serial out—shared with IR out 1 and 2	2 serial out—shared with IR out 1 and 2	3 serial out—shared with IR out 1-3	4 serial out—2 DB9 ports and 2 shared with IR out 1-2	—
	<b>Contact</b>	—	—	—	1 contact sensor	4 contact sensors	—
POWER	<b>Relay</b>	—	—	—	4 relays	—	
	<b>Power requirements</b>	100-240V AC, 60/50 Hz or PoE+	100-240V AC, 60/50 Hz	PoE+	100-240V AC, 60/50 Hz or PoE+	100-240V AC, 60/50 Hz	100-240V AC, 60/50 Hz Redundant power supplies
	<b>Power consumption</b>	Max: 15W, 51 BTU/hr	Max: 18W, 61 BTU/hr Idle: 12W, 41 BTU/hr	Max: 18W, 61 BTU/hr Idle: 12W, 41 BTU/hr	Max: 25W, 85 BTU/hr Idle: 13W, 44 BTU/hr	Max: 40W, 136 BTU/hr Idle: 15W, 51 BTU/hr	Max 70W, 239 BTU/hr
OTHER	<b>Fan dB level</b>	—	Max: 35 dB	Max: 35 dB	Max: 35 dB	Max: 35 dB	Max: 35 dB Redundant fans
	<b>Dimensions (H x W x D)</b>	—	29 (1.13) x 191 (7.5) x 127 mm (5.0")	29 (1.13) x 191 (7.5) x 127 mm (5.0")	31 (1.25) x 221 (8.75) x 149 mm (5.875")	44 (1.72) x 444 (17.5) x 258 mm (10.125")	44 (1.72) x 444 (17.5) x 258 mm (10.125")
	<b>Weight</b>	—	1.2 lb (0.54 kg)	1.2 lb (0.54 kg)	1.60 lb (0.74 kg)	6.85 lb (3.10 kg)	9.55 lb (4.33 kg)
	<b>Shipping weight</b>	—	2.2 lb (1.0 kg)	2.2 lb (1.0 kg)	2.75 lb (1.26 kg)	9.30 lb (4.20 kg)	12 lb (5.44 kg)
ACC.	<b>Wall-Mount Bracket</b>	Wall-mount holes and DIN rail slots	C4-WMEA1	C4-WMEA1	C4-WMEA3	—	—
	<b>Rack-Mount Kit</b>	C4-1URMK1B-B, C4-1URMK2B-B	C4-EA1RMK1, C4-EA1RMK2	C4-EA1RMK1, C4-EA1RMK2	C4-EA3RMK1, C4-EA3RMK2	Rack ears pre-installed, feet in box	—

For more information on the EA Series, visit [ctrl4.co/ea](http://ctrl4.co/ea)



For more information on the CA-10, visit [ctrl4.co/ca10](http://ctrl4.co/ca10)



For product photos, documentation, and installation instructions, visit [ctrl4.co/controllers](http://ctrl4.co/controllers)



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