Cameo® Wireless Keypad w/infiNET EX®
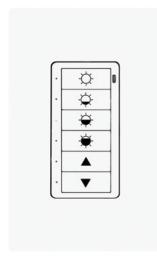

infiNET EX

> Stylish and versatile wall mount keypad

> Standard electrical box installation

> 12 color-matched smooth and textured finishes

> Versatile combinations of 2 to 8 pushbuttons

> Installer-configurable with choice of 4 button sizes

> New "split" buttons for "up/down" and "on/off" functions[5]

> "Button Events" enable tap, double-tap, and hold functionality

> Customizable backlit button engraving[1]

> White LED feedback indicators

> Built-in LED blinking and bargraph logic

> Auto-dimmable backlight and LED intensity

> Ambient light sensor

> Quick and easy installation

> 120V AC line powered

> infiNET EX® 2-way RF wireless communications

> EMerge Alliance® Compatible

The Cameo® Wireless Keypad (INET-CBDEX-P) presents a fresh, innovative concept in keypad design, offering cutting edge wireless performance for ease of installation, in a highly configurable one-gang wall mount form factor that is at once inviting to the touch and appealing to the eye.

Perfect for retrofit applications in existing homes and landmark structures, the INET-CBDEX-P easily installs alongside light switches and other in-wall devices to deliver a custom keypad control solution without any need for dedicated control wiring. Cameo Wireless Keypads simply connect to the nearest 120 Volt AC power line, communicating via the infiNET EX wireless control network to allow full keypad functionality with true-feedback as part of a complete Crestron® control system.

Customizable Buttons

Exquisitely simple yet highly customizable, a single Cameo Wireless Keypad can be configured easily by the installer to provide from two to eight buttons. Each keypad is actually furnished with an assortment of button caps in four different sizes to support a variety of physical layouts. Among these is a set of six button caps that are pre-labeled with icons for lighting dimmer control functions. Button caps may also be ordered with custom backlit engraving for any application.[1]

Through programming, each button can be configured to use "button events," affording up to three separate functions per button by tapping, double-tapping, or holding the button. "Shift key" functionality is even possible, allowing any button to be held while pressing another.

Auto-dimming Backlight

High-quality backlit laser-engraving[1] provides customizable button text that's easy to read under any lighting condition. A built-in light sensor controls the backlight intensity automatically to achieve a crisp, legible appearance in both darkened and fully lit rooms.

| Almond smooth/textured | Black smooth/textured | White smooth/textured | Gray smooth | Ivory smooth | Dark Almond smooth | Brown smooth | Latte textured | Dusk textured |

Actual colors may vary.

Enhanced LED Feedback

Six pinhead-sized white LEDs afford fully customizable feedback to enable clear indication of the status of each button's function. Ten built-in blink patterns allow all kinds of blinking LED feedback while simplifying programming and minimizing traffic on the infiNET EX network. Onboard bargraph logic allows the feedback LEDs to function as a 6-segment bargraph display, providing clear level indication while adjusting lighting and audio settings. Auto-dimming LED intensity ensures optimal visibility under varying lighting conditions.

Ambient Light Sensor

In addition to controlling the backlight and LED intensity, the built-in light sensor can also be utilized by the control system to support basic daylight harvesting and other programmatic functions.

infiNET EX®

Ultra-reliable infiNET EX wireless technology provides steadfast 2-way RF communications throughout a residential or commercial structure without the need for physical control wiring. Employing a 2.4 GHz mesh network topology, each Cameo Wireless Keypad functions as a relay station, passing command signals through to every other infiNET EX device within range (approximately 150 feet or 46 meters indoors), ensuring that every command reaches its intended destination without disruption.

Cameo Wireless Keypads work together with other infiNET EX devices like our Cameo Wireless In-Wall Dimmers and Switches, communicating with a Crestron control system via the CEN-RFGW-EX infiNET EX Wireless Gateway[2]. Up to 100 infiNET EX devices may coexist on a single wireless network, and every device that is added to the network effectively increases the range and stability of the entire network by providing multiple redundant signal paths[3]. Built-in Dynamic Frequency Allocation continuously monitors RF conditions, automatically selecting the clearest channel to prevent interference from neighboring networks, cordless phones, and microwaves.

Standard Wall Mount

Cameo Wireless Keypads are designed for installation in a standard electrical wall box and are powered by 120 Volts AC, perfect for installation in a multi-gang box alongside other line-powered devices. Available in a selection of 12 "Smooth" and "Textured" finishes, Cameo Wireless Keypads match perfectly with popular off-the-shelf decorator-style faceplates.

EMerge Alliance® Registered

This device is EMerge Alliance registered and designed to work within a 24VDC room-level power distribution system. The EMerge Alliance is a non-for-profit open industry association leading the rapid adoption of safe DC power distribution in commercial buildings through the development of Emerge Alliance standards[4]. Crestron is a proud member and supporter of the Alliance. For more information about Crestron Solutions for EMerge Alliance Applications visit: www.crestron.com/emerge.

SPECIFICATIONS

Wireless

RF Transceiver: infiNET EX® 2-way RF, 2.4 GHz ISM Channels 11-26 (2400 to 2483.5 MHz), default channel 15; IEEE 802.15.4 compliant
Range (typical): 150 ft (46 m) indoor, 250 ft (76 m) outdoor to nearest mesh network device(s); subject to site-specific conditions and individual device capabilities[3]
Gateway: Requires a CEN-RFGW-EX infiNET EX gateway[2]

Connections

LINE: (1) Captive screw terminal, line power input
NEUTRAL: (1) Captive screw terminal
GROUND: (1) Captive screw terminal

Buttons

Keypad Buttons: Configurable for 2 to 8 single-action pushbuttons
Button Events: Programmable for Normal, Tap, Double-Tap, and Hold
Button Caps: Includes (2) large, (3) medium, (6) small, and (2 pair) split small button caps[5]. The small button caps are pad-printed with lighting control icons ("Up" arrow, "Down" arrow, "Full On," "3/4 On," "1/2 On," and "1/4 On"). All other button caps are blank. Custom backlit engraved button caps are available separately.
Backlight: White LED backlight for button engraving, software-adjustable intensity, auto-dimmable

LED Indicators

Feedback: (6) White LEDs, one per each of 6 small button positions; Programmable, auto-dimmable, adjustable intensity, 10 blinking patterns
Bargraph: (1) 6-segment bargraph display utilizing the 6 feedback LEDs

Light Sensor

Photosensor for control of auto-dimming function; Can be configured to report ambient light level to control system

Power Requirements

120 Volts AC, 50/60Hz line power

Environmental

Temperature: 32° to 113°F (0° to 45°C)
Humidity: 10% to 90% RH (non-condensing)
Heat Dissipation: 1 BTU/Hr

Enclosure

Injection-molded plastic, 1-gang mountable in a standard electrical box, requires decorator style faceplate (not included)

Dimensions

Height: 4.13 in (105 mm) without faceplate
Width: 1.75 in (45 mm) without faceplate
Depth: 1.87 in (48 mm)

Weight

2.3 oz (64 g)

MODELS & ACCESSORIES

Available Models

INET-CBDEX-P-A-S: Cameo® Wireless Keypad, infiNET EX®, 120V, Almond Smooth
INET-CBDEX-P-A-T: Cameo® Wireless Keypad, infiNET EX®, 120V, Almond Textured
INET-CBDEX-P-B-S: Cameo® Wireless Keypad, infiNET EX®, 120V, Black Smooth
INET-CBDEX-P-B-T: Cameo® Wireless Keypad, infiNET EX®, 120V, Black Textured
INET-CBDEX-P-BRN-S: Cameo® Wireless Keypad, infiNET EX®, 120V, Brown Smooth
INET-CBDEX-P-DA-S: Cameo® Wireless Keypad, infiNET EX®, 120V, Dark Almond Smooth
INET-CBDEX-P-DSK-T: Cameo® Wireless Keypad, infiNET EX®, 120V, Dusk Textured
INET-CBDEX-P-GRY-S: Cameo® Wireless Keypad, infiNET EX®, 120V, Gray Smooth
INET-CBDEX-P-IVR-S: Cameo® Wireless Keypad, infiNET EX®, 120V, Ivory Smooth
INET-CBDEX-P-LAT-T: Cameo® Wireless Keypad, infiNET EX®, 120V, Latte Textured
INET-CBDEX-P-W-S: Cameo® Wireless Keypad, infiNET EX®, 120V, White Smooth
INET-CBDEX-P-W-T: Cameo® Wireless Keypad, infiNET EX®, 120V, White Textured

Available Accessories

CB2-BTN: Large Backlit Engravable Button Cap for Cameo Keypads (specify color), Includes custom engraving
CB3-BTN: Medium Backlit Engravable Button Cap for Cameo Keypads (specify color), Includes custom engraving
CB6-BTN: Small Backlit Engravable Button Cap for Cameo Keypads (specify color), Includes custom engraving
CB6S-BTN: Split Small Backlit Engravable Button Cap Pair for Cameo Keypads (specify color), Includes custom engraving
CEN-RFGW-EX: infiNET EX® Wireless Gateway
CLW-EXPEX: infiNET EX® Wireless Expander
CCR-L-1: Crestron® Color Ring

Notes:

1. Custom engraving sold separately.
2. Item(s) sold separately.
3. Any infiNET EX mesh network device that provides expander functionality will effectively extend the range of the wireless network beyond the initial range of the gateway. Battery-powered infiNET EX devices do not provide expander functionality. A dedicated infiNET EX Wireless Expander, model CLW-EXPEX is also available.
4. Information regarding the EMerge Alliance can be found at www.emergealliance.org
5. Split small buttons may be installed in the bottom two positions only.

This product may be purchased from an authorized Crestron dealer. To find a dealer, please contact the Crestron sales representative for your area. A list of sales representatives is available online at www.crestron.com/salesreps or by calling 800-237-2041.

Specifications subject to change without notice. Crestron is not responsible for errors in typography or photography.

The specific patents that cover Crestron products are listed online at: patents.crestron.com.

1.87 in
(4.74 cm)

1.49 in
(3.79 cm)

1.751 in
(4.45 cm)

3.281 in
(8.34 cm)

4.13 in
(10.49 cm)

2.78 in
(7.07 cm)

LINE   NEUTRAL