

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
- > "Split" buttons for "up/down" and "on/off" functions⁽⁴⁾
- > "Button Events" enable tap, double-tap, and pres 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
- > AC line powered
- > 120, 230, and 277 Volt models available
- > infiNET EX® 2-way RF wireless communications

The Cameo® Wireless Keypad (INET-CBDEX-P) presents a fresh, innovative concept in keypad design, offering cutting-edge wireless performance with 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 AC power line (120, 230, or 277 Volt), 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. Button caps may also be ordered with custom backlit laser engraving to clearly designate each button's function.⁽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 pressing and holding the button. "Shift key" functionality, in which the user presses and holds one button while simultaneously tapping another, provides further customization for this versatile keypad.

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 crisp, legible text in both darkened and fully lit rooms.



Actual colors may vary.

INET-CBDEX-P Cameo® Wireless Keypad w/infiNET EX®

Enhanced LED Feedback

Six pinhead-sized white LEDs afford fully customizable feedback to show the status of each button. Ten blink patterns are built in, enabling blinking LED feedback with simplified programming and reduced traffic on the infiNET EX network. Onboard bar graph logic allows the feedback LEDs to function as a 6-segment bar graph 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 an expander, 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.^[2]

Cameo Express Wireless Keypads communicate with a Crestron control system via an infiNET EX Wireless Gateway (model [CEN-RFGW-EX](#), [DIN-AP3MEX](#), or [MC3](#)^[3]). 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.^[2] 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, 230, or 277 Volts AC, making them perfect for installation in a multi-gang box alongside other line-powered devices. Available in a selection of 12 colors with “smooth” or “textured” finishes, Cameo Wireless Keypads match perfectly with popular off-the-shelf decorator-style faceplates.

SPECIFICATIONS

Buttons

Keypad Buttons: Configurable for 2 to 8 single-action pushbuttons

Button Events: Programmable for Normal, Tap, Double-Tap, and Press and Hold

Button Caps: Includes (2) large, (3) medium, (5) small, and (2 pair) split small button caps;^[4]

All button caps are blank; Custom-engraved, backlit 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, software-adjustable intensity, 10 blinking patterns

Bar Graph: (1) 6-segment bar graph 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

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^[2]

Gateway: Requires an infiNET EX gateway^[3]

Connections

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

NEUTRAL: (1) Captive screw terminal, neutral input

GROUND: (1) Captive screw terminal, ground

Power Requirements

LINE POWER

INET-CBDEX-P: 120 Volts AC, 50/60Hz

INET-CBDEX-230-P: 230 Volts AC, 50/60Hz

INET-CBDEX-277-P: 277 Volts AC, 50/60Hz

DC POWER

INET-CBDEX-P: 60 Volts DC^[5]

INET-CBDEX-230-P: 60 Volts DC^[5]

INET-CBDEX-277-P: 60 Volts DC^[5]

Environmental

Temperature: 32° to 113° F (0° to 45° C)

Humidity: 10% to 90% RH (non-condensing)

Heat Dissipation: 1 BTU/Hr

Construction

Chassis: Plastic

Mounting: Mounts in a 1-gang or larger electrical box

Faceplate: Requires a 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)

INET-CBDEX-P Cameo® Wireless Keypad w/infiNET EX®

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
INET-CBDEX-230-P-A-S: Cameo® Wireless Keypad, infiNET EX®, 230V, Almond Smooth
INET-CBDEX-230-P-A-T: Cameo® Wireless Keypad, infiNET EX®, 230V, Almond Textured
INET-CBDEX-230-P-B-S: Cameo® Wireless Keypad, infiNET EX®, 230V, Black Smooth
INET-CBDEX-230-P-B-T: Cameo® Wireless Keypad, infiNET EX®, 230V, Black Textured
INET-CBDEX-230-P-BRN-S: Cameo® Wireless Keypad, infiNET EX®, 230V, Brown Smooth
INET-CBDEX-230-P-DA-S: Cameo® Wireless Keypad, infiNET EX®, 230V, Dark Almond Smooth
INET-CBDEX-230-P-DSK-T: Cameo® Wireless Keypad, infiNET EX®, 230V, Dusk Textured
INET-CBDEX-230-P-GRY-S: Cameo® Wireless Keypad, infiNET EX®, 230V, Gray Smooth
INET-CBDEX-230-P-IVR-S: Cameo® Wireless Keypad, infiNET EX®, 230V, Ivory Smooth
INET-CBDEX-230-P-LAT-T: Cameo® Wireless Keypad, infiNET EX®, 230V, Latte Textured
INET-CBDEX-230-P-W-S: Cameo® Wireless Keypad, infiNET EX®, 230V, White Smooth
INET-CBDEX-230-P-W-T: Cameo® Wireless Keypad, infiNET EX®, 230V,

White Textured

INET-CBDEX-277-P-A-S: Cameo® Wireless Keypad, infiNET EX®, 277V, Almond Smooth
INET-CBDEX-277-P-A-T: Cameo® Wireless Keypad, infiNET EX®, 277V, Almond Textured
INET-CBDEX-277-P-B-S: Cameo® Wireless Keypad, infiNET EX®, 277V, Black Smooth
INET-CBDEX-277-P-B-T: Cameo® Wireless Keypad, infiNET EX®, 277V, Black Textured
INET-CBDEX-277-P-BRN-S: Cameo® Wireless Keypad, infiNET EX®, 277V, Brown Smooth
INET-CBDEX-277-P-DA-S: Cameo® Wireless Keypad, infiNET EX®, 277V, Dark Almond Smooth
INET-CBDEX-277-P-DSK-T: Cameo® Wireless Keypad, infiNET EX®, 277V, Dusk Textured
INET-CBDEX-277-P-GRY-S: Cameo® Wireless Keypad, infiNET EX®, 277V, Gray Smooth
INET-CBDEX-277-P-IVR-S: Cameo® Wireless Keypad, infiNET EX®, 277V, Ivory Smooth
INET-CBDEX-277-P-LAT-T: Cameo® Wireless Keypad, infiNET EX®, 277V, Latte Textured
INET-CBDEX-277-P-W-S: Cameo® Wireless Keypad, infiNET EX®, 277V, White Smooth
INET-CBDEX-277-P-W-T: Cameo® Wireless Keypad, infiNET EX®, 277V, White Textured

Available Accessories

CB2-BTN: Large Backlit Engravable Button Cap for Cameo Keypads, [specify color]
CB3-BTN: Medium Backlit Engravable Button Cap for Cameo Keypads, [specify color]
CB6-BTN: Small Backlit Engravable Button Cap for Cameo Keypads, [specify color]
CB6S-BTN: Split Small Backlit Engravable Button Cap Pair for Cameo Keypads, [specify color]
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. Any infiNET EX 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** or **GLA-EXPEX**, is also available
3. Item(s) sold separately.
4. Split small buttons may be installed in the bottom two positions only.
5. Requires a SolaHD SDP™ 1-48-100T power supply.

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.

INET-CBDEX-P Cameo® Wireless Keypad w/infiNET EX®

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

Some Crestron products contain open source software. For specific information, visit www.crestron.com/opensource.

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