CNXHUB

Cresnet® Hub

> *Enables the configuration of large Cresnet® networks*

> *Provides six isolated Cresnet segments*

> *Supports 20 Cresnet devices per segment* [1]

> *Supports 3000 ft (914 m) aggregate cable length per segment* [1]

> *No programming required*

> *Single-space, half-width 19-inch rack-mountable* [2]

> *Under-table mountable* [2]

> *Cresnet network powered*

The CNXHUB is a six-segment Cresnet® hub designed to facilitate the configuration of large Cresnet networks. A Cresnet hub is ordinarily required for any Cresnet network that has more than 20 devices or 3000 feet (914 meters) of cable.

NOTE: For maximum Cresnet performance and reliability, use an Ethernet to Cresnet Bridge (DIN-CENCN-2 or DIN-CENCN-2-POE).

The Cresnet® Bus

Cresnet is the communications backbone for many Crestron® keypads, lighting controls, shade motors, thermostats, occupancy sensors, and other devices that donít require the higher speed of Ethernet. It provides a dependable and flexible wiring solution, allowing multiple devices to be wired together in parallel using both home-run and daisy-chain topologies. The Cresnet bus distributes bidirectional data communication and 24VDC power to each device over a single 4-conductor cable.

Six-Segment Cresnet Hub

Without a Cresnet hub, the Cresnet bus supports a maximum of 20 devices and a maximum aggregate cable length of 3000 ft (914 m). Adding a Cresnet hub improves reliability for larger networks. A Cresnet hub divides the network into multiple isolated segments, each capable of supporting another 20 devices with 3000 ft (914 m) of additional cabling. [1]

Under-Table or Rack-Mountable

The CNXHUB is housed in a compact metal enclosure that can be placed on a shelf, attached under a table, or mounted in a 19" equipment rack. Its 1RU half-width form factor allows it to fit in a single rack-space alongside a second CNXHUB or other 1RU half-width Crestron device. [2]

SPECIFICATIONS

Connectors

NET A – F: (6) 4-pin 3.5mm detachable terminal blocks comprising (1) Cresnet® port per each of (6) segments

Indicators

PWR: (1) green LED, indicates Cresnet power is supplied to the unit via any NET port
Net Activity A – F: (6) yellow LEDs, each indicate Cresnet bus activity at the corresponding NET port

Power Requirements

Cresnet Power Usage: 2 Watts (0.084 Amp @ 24 Volts DC)

Environmental

Temperature: 41° to 113° F (5° to 45° C)
Humidity: 10% to 90% RH (non-condensing)

Enclosure

Chassis: Metal, black finish
Front Panel: Metal, black finish, polycarbonate label overlay
Mounting: Freestanding, under-table mountable, or 1RU half-width rack-mountable (adhesive feet included, under-table and rack mounting kits sold separately)

Dimensions

Height: 1.70 in (44 mm)
Width: 7.07 in (180 mm)
Depth: 6.32 in (161 mm)

Weight

1.91 lb (0.86 kg)

MODELS & ACCESSORIES

Available Models

CNXHUB: Cresnet® Hub

Available Accessories

ST-RMK: Rack Mount Kit for 1RU Half-Width Devices
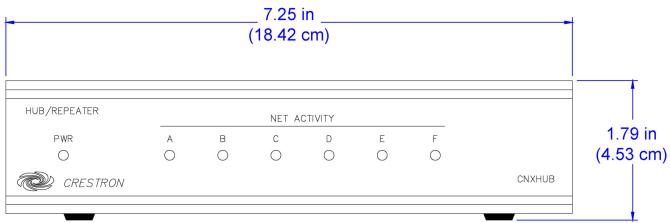**UTK-1U-HALF:** Under-Table Mounting Kit for 1RU Half-Width Devices

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Notes:

1. Crestron advises a maximum total of 20 Cresnet devices and a maximum aggregate cable length of 3000 feet (914 meters) per hub segment. A Cresnet hub does not account for the distribution of Cresnet power. Additional equipment and wiring may be required for proper powering of each device on the network. For further design assistance, please contact Crestron True Blue Support by visiting: www.crestron.com/true_blue_support.
2. ST-RMK Rack Mount Kit and UTK-1U-HALF Under-Table Mounting Kit each sold separately.

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.

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

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

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7.25 in
(18.42 cm)

HUB/REPEATER   NET ACTIVITY

PWR   A   B   C   D   E   F

CRESTRON   CNXHUB

1.79 in
(4.53 cm)

Depth = 6.33 in (16.06 cm)

A   B   C   D   E   F
24 Y Z G   24 Y Z G   24 Y Z G   24 Y Z G   24 Y Z G   24 Y Z G

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