

## AX103253 Faceplates and Panels - CAT6+ Patch Panel - KeyConnect



For more Information  
please call

1-800-Belden1

**General Description:**

CAT6+ KeyConnect Patch Panel, 24-port, 1U, Black

**Usage (Overall)**

|                        |                                                                       |
|------------------------|-----------------------------------------------------------------------|
| Suitable Applications: | IBDN System 4800, 3600, 2400, TIA Category 6, ISO Class E, 1000BASE-T |
| Related Parts:         | CAT6+ Modular Cords                                                   |

**Physical Characteristics (Connectivity)****Capacity**

|                |                                                 |
|----------------|-------------------------------------------------|
| Max. Capacity: | 24 connectors ( Patch Panel is already loaded ) |
|----------------|-------------------------------------------------|

**Access**

|                   |       |
|-------------------|-------|
| Front Connection: | Flush |
| Termination Area: | Rear  |

**Dimensions****Dimensions:**

| Height (in.) | Width (in.) | Depth (in.) |
|--------------|-------------|-------------|
| 1.750        | 19.000      | 1.300       |

**Materials****Materials:**

| Description | Material |
|-------------|----------|
| Panel       | Steel    |

**Color**

|        |       |
|--------|-------|
| Color: | Black |
|--------|-------|

**Weight**

|         |            |
|---------|------------|
| Weight: | 1.350 lbs. |
|---------|------------|

**Included Parts**

|                 |                                                                                                                                                                                     |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Included Parts: | 4 Screws (10x32); 4 Screws (12x24); 1 Label Holder; 1 Printable LabelFlex Half-Sheet; 2 Velcro Straps; 2 Rear Cable Management Bracket, 1 Installation Guide, 1 kit Termination Bar |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**Packaging**

|            |                                           |
|------------|-------------------------------------------|
| Packaging: | Individually packaged in a cardboard box. |
|------------|-------------------------------------------|

**Mechanical Characteristics (Connectivity)**

|                            |            |
|----------------------------|------------|
| Footprint/Type:            | KeyConnect |
| Plug / Jack Compatibility: | RJ45       |

**Termination Interface:**

| Termination | Connection       | Durabilities  |
|-------------|------------------|---------------|
| Front       | Mated Connection | 750 Cycle     |
| Rear        | IDC Connection   | 10 Insertions |

**Termination Characteristics:**

| Termination Characteristic |
|----------------------------|
| Universal T568A/B          |

|                                 |                                     |
|---------------------------------|-------------------------------------|
| Storage Temperature Range:      | -40°C To +70°C                      |
| Installation Temperature Range: | -10°C To +60°C                      |
| Operating Temperature Range:    | -10°C To +60°C                      |
| Tool Compatibility:             | Gigaflex Connecting Tool (AX100749) |

**Applicable Specifications and Agency Compliance (Overall)****Applicable Standards & Environmental Programs**

|                  |                                     |
|------------------|-------------------------------------|
| Other Standards: | FCC Part 68, Subpart F, IEC 60603-7 |
|------------------|-------------------------------------|

**AX103253 Faceplates and Panels - CAT6+ Patch Panel - KeyConnect**

|                                       |                                                     |
|---------------------------------------|-----------------------------------------------------|
| EU Directive 2002/95/EC (RoHS):       | Yes                                                 |
| EU RoHS Compliance Date (mm/dd/yyyy): | 01/30/2008                                          |
| MIL Order #39 (China RoHS):           | EUP 50                                              |
| Telecommunications Standards:         | Category 6 - TIA 568.B.2-1, ISO/IEC 11801:2002 Ed.2 |
| Third Party Performance Verification: | ETL - Verified Category 6                           |
| Safety Listing:                       | ACA, Bi-national Standard Listed                    |

**Suitability**

|                       |     |
|-----------------------|-----|
| Suitability - Indoor: | Yes |
|-----------------------|-----|

**Transmission Characteristics (Connectivity)****Mated Connection Table 1:**

| Frequency (MHz) | Max. Insertion Loss TIA* (dB) | Max. Insertion Loss Belden** (dB) | Min. NEXT TIA* (dB) | Min. NEXT Belden** (dB) | Min. FEXT TIA* (dB) | Min. FEXT Belden** (dB) |
|-----------------|-------------------------------|-----------------------------------|---------------------|-------------------------|---------------------|-------------------------|
| 1.000           | 0.100                         | 0.100                             | 75.000              | 77.000                  | 75.000              | 77.000                  |
| 4.000           | 0.100                         | 0.100                             | 75.000              | 77.000                  | 71.100              | 75.100                  |
| 8.000           | 0.100                         | 0.100                             | 75.000              | 77.000                  | 65.000              | 69.000                  |
| 10.000          | 0.100                         | 0.100                             | 74.000              | 77.000                  | 63.100              | 67.100                  |
| 16.000          | 0.100                         | 0.100                             | 69.900              | 72.900                  | 59.000              | 63.000                  |
| 20.000          | 0.100                         | 0.100                             | 68.000              | 71.000                  | 57.100              | 61.100                  |
| 25.000          | 0.100                         | 0.100                             | 66.000              | 69.000                  | 55.100              | 59.100                  |
| 31.250          | 0.110                         | 0.100                             | 64.100              | 67.100                  | 53.200              | 57.200                  |
| 62.500          | 0.160                         | 0.120                             | 58.100              | 61.100                  | 47.200              | 51.200                  |
| 100.000         | 0.200                         | 0.160                             | 54.000              | 57.000                  | 43.100              | 47.100                  |
| 200.000         | 0.280                         | 0.240                             | 48.000              | 51.000                  | 37.100              | 41.100                  |
| 250.000         | 0.320                         | 0.280                             | 46.000              | 49.000                  | 35.100              | 39.100                  |
| 300.000         |                               | 0.310                             |                     | 44.500                  |                     | 37.600                  |

**Mated Connection Table - Footnote:**

\* TIA-EIA-568-B.2-1 Category 6 Standard. \*\* Worst-case performance for a CAT6+ mated connection using CAT6+ modular plugs.

**Mated Connection Table 2:**

| Frequency (MHz) | Min. Return Loss TIA* (dB) | Min. Return Loss Belden** (dB) | Min. Balanced TCL TIA* (dB) | Min. Balanced TCL Belden** (dB) |
|-----------------|----------------------------|--------------------------------|-----------------------------|---------------------------------|
| 1.000           | 30.000                     | 32.000                         | 40.000                      | 42.000                          |
| 4.000           | 30.000                     | 32.000                         | 40.000                      | 42.000                          |
| 8.000           | 30.000                     | 32.000                         | 40.000                      | 42.000                          |
| 10.000          | 30.000                     | 32.000                         | 40.000                      | 42.000                          |
| 16.000          | 30.000                     | 32.000                         | 40.000                      | 42.000                          |
| 20.000          | 30.000                     | 32.000                         | 40.000                      | 42.000                          |
| 25.000          | 30.000                     | 32.000                         | 40.000                      | 42.000                          |
| 31.250          | 30.000                     | 32.000                         | 38.100                      | 42.000                          |
| 62.500          | 28.100                     | 32.000                         | 32.100                      | 36.100                          |
| 100.000         | 24.000                     | 28.000                         | 28.000                      | 32.000                          |
| 200.000         | 18.000                     | 22.000                         | 22.000                      | 26.000                          |
| 250.000         | 16.000                     | 20.000                         | 20.000                      | 24.000                          |
| 300.000         |                            | 18.500                         |                             | 22.500                          |

|                          |                                 |
|--------------------------|---------------------------------|
| Dielectric Strength:     | 1,000 V RMS @ 60Hz for 1 minute |
| Current Rating:          | 1.500 A                         |
| Insulation Resistance:   | 500 M-Ohm Minimum               |
| Max. Contact Resistance: | 20 m-Ohm                        |
| Termination Resistance:  | 2.5 m-Ohm                       |

**Notes (Overall)**

**Notes:** For proper installation refer to Installation Guide PX104691 included with the product or visit our web site at <http://www.belden.com>

**Product Family****Part Numbers:**

| Description                                  | Item Number |
|----------------------------------------------|-------------|
| KeyConnect PP CAT6, 1U24P, Black             | AX103253    |
| KeyConnect PP CAT6, 2U48P, Black             | AX103255    |
| KeyConnect UHDP CAT6, 1U48P, Black           | AX103263    |
| KeyConnect PP CAT6, 1U24P wt couplers, Black | AX104227    |
| KeyConnect PP CAT6, 2U48P wt couplers, Black | AX104228    |
| KeyConnect PP CAT6, 1U48P wt couplers, Black | AX104591    |

**AX103253 Faceplates and Panels - CAT6+ Patch Panel - KeyConnect****Put Ups and Colors:**

| Item #   | Putup | Ship Weight | Color | Notes | Item Desc                    |
|----------|-------|-------------|-------|-------|------------------------------|
| AX103253 | 1 EA  | 2.645 LB    |       |       | CAT6+ KCONN PATCH PANEL 24-P |

Revision Number: 0    Revision Date: 11-27-2014

© 2017 Belden, Inc.  
All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability. Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be in stock at Belden facilities and in our Distributor's inventory. The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information, and belief at the date of its publication. The information provided in this Product Disclosure is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. This Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Belden Wire & Cable:](#)

[AX103253](#)