

AX103254 Panels - 10GX Patch Panel - KeyConnect



For more Information
please call

1-800-Belden1

**Description:**

10GX KeyConnect Patch Panel, 24-port, 1U, Titanium

Usage (Overall)

Suitable Applications:	IBDN System 10GX, TIA Category 6A, ISO Class EA, 10GBASE-T
Related Parts:	10GX 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:	Titanium
---------------	----------

Weight

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

Included Parts

Included Parts:	4 Screws (10x32); 4 Screws (12x24); 1 Printable LabelFlex Half-Sheet; 2 Velcro Straps; 2 cable management bars ;1 Installation Guide; 1 kit 10GX X-BAR
------------------------	--

Packaging

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

Mechanical Characteristics (Connectivity)

Plug / Jack Compatibility:	RJ45
-----------------------------------	------

Termination Interface:

Termination	Connection	Durabilities
Rear	IDC Connection	10 Insertions
Front	Mated Connection	750 Cycles

Storage Temperature Range:	-40°C To +70°C
Installation Temperature Range:	-10°C To +60°C
Operating Temperature Range:	-10°C To +60°C

AX103254 Panels - 10GX Patch Panel - KeyConnect**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

EU Directive 2002/95/EC (RoHS):

Yes

EU RoHS Compliance Date (mm/dd/yyyy):

01/10/2008

MII Order #39 (China RoHS):

Yes

Telecommunications Standards:

Category 6A - TIA 568.B.2-10, ISO/IEC 11801:2002 Amendment 2

Safety Listing:

ACA, Bi-national (UL/CSA) 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	0.050	75.000	77.000	75.000	80.000
4.000	0.100	0.050	75.000	77.000	71.100	75.100
8.000	0.100	0.050	75.000	77.000	65.000	69.000
10.000	0.100	0.050	74.000	77.000	63.100	67.100
16.000	0.100	0.060	69.900	72.900	59.000	63.000
20.000	0.100	0.070	68.000	71.000	57.100	61.100
25.000	0.100	0.080	66.000	69.000	55.100	59.100
31.250	0.110	0.090	64.100	67.100	53.200	57.200
62.500	0.160	0.140	58.100	61.100	47.200	51.200
100.000	0.200	0.180	54.000	57.000	43.100	47.100
200.000	0.280	0.260	48.000	51.000	37.100	41.100
250.000	0.320	0.300	46.000	49.000	35.100	39.100
300.000	0.350	0.330	42.900	46.700	33.600	37.600
400.000	0.400	0.380	37.900	42.900	31.100	35.100
500.000	0.450	0.430	34.000	40.000	29.100	33.100
625.000		0.480		37.100		31.200

Mated Connection Table - Footnote:

* TIA/EIA-568-B.2-10-2008 Category 6A Standard. ** Worst-case performance for a 10GX mated connection using 10GX modular plugs.

Mated Connection Table 2:

Frequency (MHz)	Min. Return Loss TIA* (dB)	Min. Return Loss Belden** (dB)	Min. PSANEXT TIA* (dB)	Min. PSANEXT Belden** (dB)	Min. PSAACRF TIA* (dB)	Min. PSAACRF Belden** (dB)	Min. Balanced TCL TIA* (dB)	Min. Balanced TCL Belden** (dB)
1.000	30.000	34.100	70.500	72.000	67.000	72.000	40.000	50.000
4.000	30.000	34.100	70.500	72.000	67.000	72.000	40.000	50.000
8.000	30.000	34.100	70.500	72.000	67.000	72.000	40.000	50.000
10.000	30.000	34.100	70.500	72.000	67.000	72.000	40.000	50.000
16.000	30.000	34.100	70.500	72.000	67.000	72.000	40.000	50.000
20.000	30.000	34.100	70.500	72.000	67.000	72.000	40.000	50.000
25.000	30.000	34.100	70.500	72.000	67.000	72.000	40.000	50.000
31.250	30.000	34.100	70.500	72.000	67.000	72.000	38.100	48.100
62.500	30.000	34.100	70.500	72.000	67.000	72.000	32.100	42.100
100.000	28.000	30.000	70.500	72.000	67.000	72.000	28.000	38.000
200.000	22.000	24.000	64.500	66.000	61.000	66.000	22.000	32.000
250.000	20.000	22.000	62.500	64.000	59.000	64.000	20.000	30.000
300.000	18.500	20.500	61.000	62.500	57.500	62.500	18.500	28.500
400.000	16.000	18.000	58.500	60.000	55.000	60.000	16.000	26.000
500.000	14.000	16.000	56.500	58.000	53.000	58.000	14.000	24.000
625.000		13.000		56.100		56.100		22.100

Dielectric Strength:

1,000 V RMS @ 60Hz for 1 minute

AX103254 Panels - 10GX Patch Panel - KeyConnect

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 10GX, 1U24P wt coupler, Titanium	AX104141
KeyConnect PP 10GX, 2U48P wt coupler, Titanium	AX104142
KeyConnect PP 10GX, 1U24P, Titanium	AX103254
KeyConnect PP 10GX, 2U48P, Titanium	AX103256
KeyConnect UHDP 10GX, 1U48P, Titanium	AX103264
KeyConnect PP 10GX, 1U48P, wt coupler, Titanium	AX104592

Related Documents:

No related documents are available for this product

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
AX103254	1 EA	2.671 LB			10GX KCONN PATCH PANEL 24-P
AX103254+CN	1 EA	2.671 LB			10GX KEYCONNECT PATCH PANEL

Revision Number: 0 Revision Date: 06-01-2009

© 2012 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.