Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION

AX104141 Faceplates and Panels - 10GX Coupler Patch Panel - KeyConnect





For more Information please call

1-800-Belden1

General Description:

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

Usage (Overall)

Suitable Applications:	IBDN System 10GX, TIA Category 6A, 10GBASE-T
Related Parts:	10GX Pre-Terminated Cable Assemblies and 10GX Modular Cords

Physical Characteristics (Connectivity)

Capacity

Max. Capacity:	24 connectors (Patch Panel is factory-assembled)

Access

Front Connection:	Flush
Termination Area:	Rear

Dimensions

Dimensions:

Height (in.)	Width (in.)	Depth (in.)
1.750	19.000	1.520

Materials

Materials:

Description	Material
Panel	Steel

Color

Color:	Titanium

Weight

Weight:	1.978 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 10GX X-BAR kit

Packaging

Packaging:	Individually packaged in a cardboard box.

Mechanical Characteristics (Connectivity)

Plug / Jack Compatibility:	RJ45

Termination Interface:

Termination	Connection	Durabilities
Front	Mated Connection	750 Cycles
Rear	Mated Connection	750 Cycles

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

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):	10/29/2008

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MII Order #39 (China RoHS):	EUP 50
Telecommunications Standards:	Class EA - ISO/IEC 11801:2002 Amendment 2
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	75.000	75.000	75.000
4.000	0.100	0.100	75.000	75.000	71.100	75.000
8.000	0.100	0.100	75.000	75.000	65.000	69.000
10.000	0.100	0.100	74.000	75.000	63.100	67.100
16.000	0.100	0.100	69.900	70.920	59.000	63.000
20.000	0.100	0.100	68.000	68.980	57.100	61.100
25.000	0.100	0.100	66.000	67.040	55.100	59.100
31.250	0.110	0.110	64.100	65.100	53.200	57.200
62.500	0.160	0.160	58.100	59.080	47.200	51.200
100.000	0.200	0.200	54.000	55.000	43.100	47.100
200.000	0.280	0.280	48.000	48.980	37.100	41.100
250.000	0.320	0.320	46.000	47.040	35.100	39.100
300.000	0.350	0.350	42.900	43.870	33.600	37.600
400.000	0.400	0.400	37.900	38.880	31.100	35.100
500.000	0.450	0.450	34.000	35.000	29.100	33.100
625.000		0.500		31.120		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 on both sides

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	30.000	70.500	72.000	67.000	72.000	40.000	45.000
4.000	30.000	30.000	70.500	72.000	67.000	72.000	40.000	45.000
8.000	30.000	30.000	70.500	72.000	67.000	72.000	40.000	45.000
10.000	30.000	30.000	70.500	72.000	67.000	72.000	40.000	45.000
16.000	30.000	30.000	70.500	72.000	67.000	72.000	40.000	45.000
20.000	30.000	30.000	70.500	72.000	67.000	72.000	40.000	45.000
25.000	30.000	30.000	70.500	72.000	67.000	72.000	40.000	45.000
31.250	30.000	30.000	70.500	72.000	67.000	72.000	38.100	45.000
62.500	30.000	30.000	70.500	72.000	67.000	72.000	32.100	42.100
100.000	28.000	28.000	70.500	72.000	67.000	72.000	28.000	38.000
200.000	22.000	22.000	64.500	66.000	61.000	66.000	22.000	32.000
250.000	20.000	20.000	62.500	64.000	59.000	64.000	20.000	30.000
300.000	18.500	18.500	61.000	62.500	57.500	62.500	18.500	28.500
400.000	16.000	16.000	58.500	60.000	55.000	60.000	16.000	26.000
500.000	14.000	14.000	56.500	58.000	53.000	58.000	14.000	24.000
625.000		12.100		56.100		56.100		22.100

Dielectric Strength:	1,000V 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/pdfs/Techpprs/InstallationGuide.pdf

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

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KeyConnect UHDPP 10GX, 1U48P, Titanium	AX103264
KeyConnect PP 10GX, 1U48P, wt coupler, Titanium	AX104592

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
AX104141	1 EA	2.668 LB			10GX KCONN COUPLER PPANEL 24P

Revision Number: 1 Revision Date: 11-27-2014

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