Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION

RVAPPF1U24XX Faceplates and Panels - 10GX REVConnect Patch Panel, Flat 1U24-Port



For more Information please call

1-800-Belden1

General Description:

10GX REVConnect Patch Panel, 24-Port, 1U (Preloaded)

Usage (Overall)

Suitable Applications:	10GX Systems, TIA Category 6A, ISO Class EA, 10GBASE-T
Related Parts:	10GX REVConnect Modular Jacks, 10GX Modular Cords

Physical Characteristics (Connectivity)

Capacity

Max. Capacity:	24 connectors (preloaded)

Access

Front Connection:	Flush
Termination Area:	Front and Rear

Dimensions

Dimensions:

Height (in.)	Width (in.)	Depth (in.)
1.730	19.000	2.000

Materials

Materials:

Description	Material	Color
Panel	Steel	Black/White
Frame	PC/ABS	Black/White
Management Bar	Steel	Black
Clear Window	Polycarbonate	Transparent

Color

Color:	Black, White

Weight

Weight:	1.846 lbs.

Included Parts

Included Parts:	24 10GX REVConnect Jacks Black;25 REVConnect Cable Managers and Term;4 Clear Windows;1 Rear Cable Management Bar;4 Screws (10x32); 4 Screws (12x24); 2 Velcro Straps; 4 Frames; 1 Installation Guide

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 cycles
Rear	Mated Connection	20 cycles

Cable/Connector Retention:	15 lbs.
Connector/Hardware Retention:	20 lbs.
Plug/Connector Retention:	11.250 lbs.
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:	REVConnect Termination Tool (RVUTT01)

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

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UL Rating:	UL94 V-0
EU Directive 2011/65/EU (ROHS II):	Yes
IEEE Specification:	Power Over Ethernet (PoE) IEEE 802.3at type 1 and 2 (up to 30W), IEEE802.3bt/D1.7 type 3 and 4 (up to 100W), CISCO UPOE (up to 60W), Power over HDBaseTTM (up to 100W)
EU RoHS Compliance Date (mm/dd/yyyy):	07/01/2006
MII Order #39 (China RoHS):	EUP 50
Telecommunications Standards:	Category 6A - TIA 568.C.2, Category 6A - ISO/IEC 11801:2002 Ed.2
Safety Listing:	c(UL)us Listed
Other Specification:	UL 1863, IEC 60603-7, FCC part 68-F

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-C.2 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	45.000
4.000	30.000	34.100	70.500	72.000	67.000	72.000	40.000	45.000
8.000	30.000	34.100	70.500	72.000	67.000	72.000	40.000	45.000
10.000	30.000	34.100	70.500	72.000	67.000	72.000	40.000	45.000
16.000	30.000	34.100	70.500	72.000	67.000	72.000	40.000	45.000
20.000	30.000	34.100	70.500	72.000	67.000	72.000	40.000	45.000
25.000	30.000	34.100	70.500	72.000	67.000	72.000	40.000	45.000
31.250	30.000	34.100	70.500	72.000	67.000	72.000	38.100	45.000
62.500	30.000	34.100	70.500	72.000	67.000	72.000	32.100	39.100
100.000	28.000	30.000	70.500	72.000	67.000	72.000	28.000	35.000
200.000	22.000	24.000	64.500	66.000	61.000	66.000	22.000	29.000
250.000	20.000	22.000	62.500	64.000	59.000	64.000	20.000	27.000
300.000	18.500	20.500	61.000	62.500	57.500	62.500	18.500	25.500
400.000	16.000	18.000	58.500	60.000	55.000	60.000	16.000	23.000
500.000	14.000	16.000	56.500	58.000	53.000	58.000	14.000	21.000
625.000		13.000		56.100		56.100		19.100

Dielectric Strength:	1,000 V RMS @ 60 Hz for 1 minute (Signals to Ground)
Current Rating:	1.300 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 PX106520 included with the product or visit our web site at http://www.belden.com

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Product Family

Part Numbers:

Item Number	Description
RVAPPF1U24BK	10GX REVConnect Patch Panel 24-port, 1U, Black (Preloaded)
RVAPPF1U24WH	10GX REVConnect Patch Panel 24-port, 1U, White (Preloaded)
RVAPPA1U24BK	10GX REVConnect Angled Patch Panel 24-port, 1U, Black (Preloaded)
RVAPPA1U24WH	10GX REVConnect Angled Patch Panel 24-port, 1U, White (Preloaded)
RVAPPF2U48BK	10GX REVConnect Patch Panel 48-port, 2U, Black (Preloaded)
RVAPPF2U48WH	10GX REVConnect Patch Panel 48-port, 2U, White (Preloaded)
RVAPPA2U48BK	10GX REVConnect Angled Patch Panel 48-port, 2U, Black (Preloaded)
RVAPPA2U48WH	10GX REVConnect Angled Patch Panel 48-port, 2U, White (Preloaded)

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc

Revision Number: 0 Revision Date: 05-04-2017

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