

Centrix™ Platform

CORNING

Features and Benefits

Supports 4,320 LC or 2,880 SC ports per frame
Saves space through increased port density

Available in rear cable access

Designed in compliance with GR-449-CORE, Issue 3 standards

Modular cassette design

Enables one platform for many application spaces e.g. central office, headend, FTTx, FTTCS and data center

Increased jumper routing space

Supports standard 1.6 and 2.0 mm jumpers

Available in front cable access

Allows for back-to-back frame configuration

The Centrix™ platform is a high-density fiber management system that provides a balance of industry-leading density with innovative jumper routing. The system can be deployed in multiple applications including: central office, headend, FTTx, FTTCS and data center.

Centrix platform supports up to 4,320 LC or 2,880 SC connector ports per standard 7-ft frame/2200 mm. The frame design provides optimized routing paths for jumpers, reducing the risk of pileup or entanglement. A single jumper length for an in-frame, cross-connect network design reduces jumper inventory.

At the foundation of the Centrix platform is a single, modular cassette that can be tailored to include a variety of optical devices (splitter, WDM, etc). The modular cassette provides flexibility and functionality within a single frame without sacrificing density. Each cassette contains up to either 24 SC or 36 LC connector adapters. Easy port access is possible due to a sliding cassette with drop-down handle. A 1RU housing will hold 3 cassettes, a 2RU housing will hold 6 cassettes and a 4RU will hold 12 cassettes. Housings can be ordered empty, loaded with cassettes for on-frame splicing or as stubbed assemblies to reduce installation time and risk.

The Centrix platform is available with both rear or front cable access. Front cable access allows back-to-back frame configurations or mounting against a wall. Both frame configurations save space through increased port density.

Housing Size	1RU	2RU	4RU
Max. Density - LC	108 F	216 F	432 F
Max. Density - SC	72 F	144 F	288 F
Cassette Capacity	3	6	12



Centrix CTX-S1U Housing with 3 cassettes
| Photo CRR2731



Centrix Frame
| Photos CRR1870, CRR2794

Centrix™ Platform

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Centrix CTX-S1U Housing with 3 cassettes |
Photo CRR2731

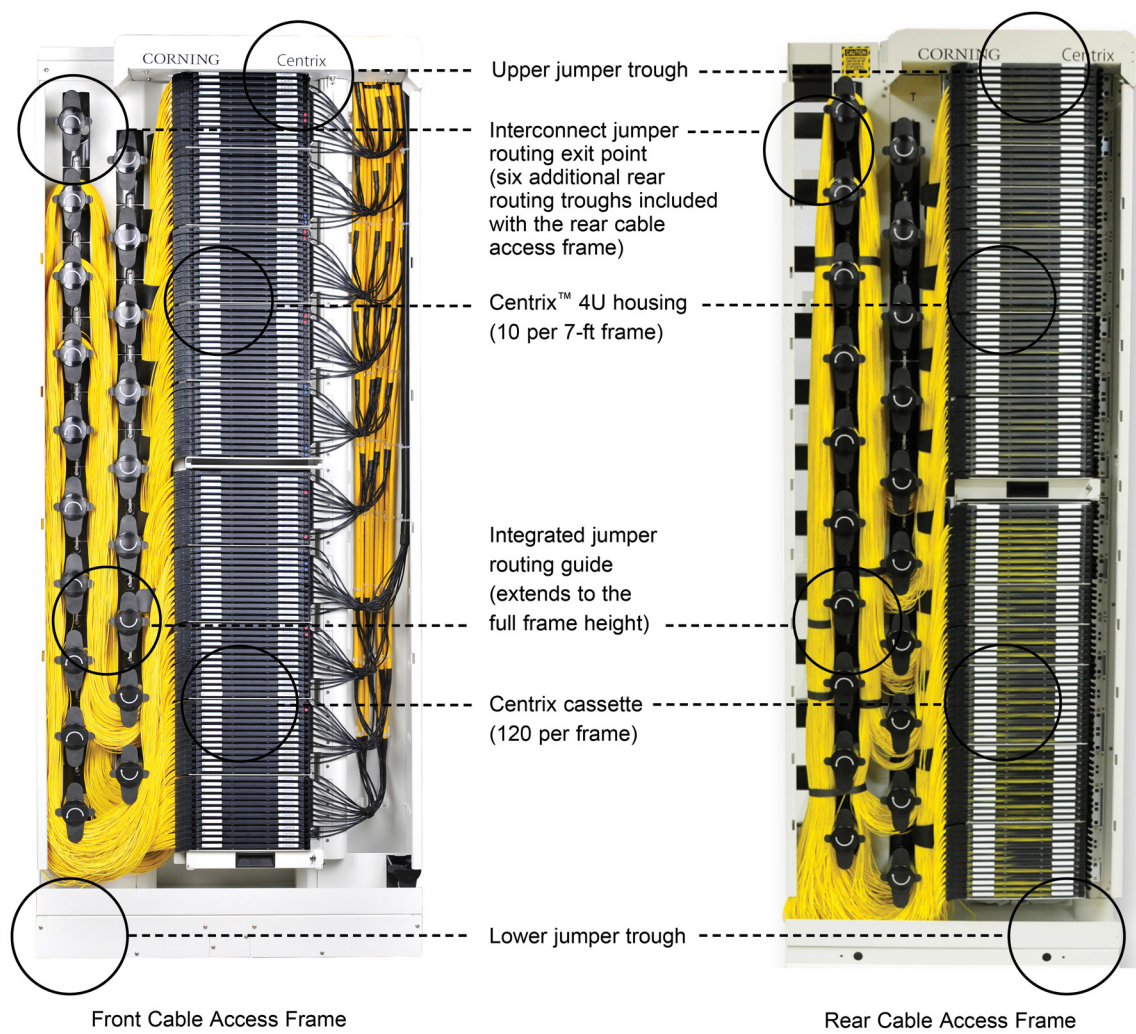


Centrix CTX-S2U Housing with 6 cassettes |
Photo CRR2733



Centrix CTX-S4U Housing with 12 cassettes | Photo CRR2735

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Cable Access	Dimensions: H x W x D
Front	84 x 35 x 12 in (2200 x 900 x 300 mm)

Cable Access	Dimensions: H x W x D
Rear	84 x 30 x 24 in (2200 x 760 x 610 mm)

Centrix Frame, Rear and Front Cable Access
| Photos CRR1844, CRR2793



Housings and Cassettes

Centrix™ housings and cassettes are available in several configurations:

- Housings:**
- Empty
 - Loaded with pigtailed cassettes
- Cassettes:**
- Loaded with adapters and pigtails
 - Splice-only



Fiber Capacity					
Adapter Type	Terminations per Cassette	Terminations per Housing Size			Terminations per Frame
		1RU	2RU	4RU	
SC	12, 24	36, 72	72, 144	144, 288	1440 to 2880
LC	24, 36	72, 108	144, 216	288, 432	1440 to 4320

Pigtail Cassettes

Ordering Information

CTX	<u>CP</u>	P	<u> </u>	<u> </u>	-	<u> </u>	<u> </u>	-	<u>2</u>	<u>R</u>	<u> </u>	<u>000</u>
	1		2			3			4	5	6	7

1 Defines cassette type.
CP = Centrix cassette with
adapters and pigtails

2 Select fiber count per cassette.
12 = 12 fibers
24 = 24 fibers (LC or SC)
36 = 36 fibers (LC)

3 Select adapter code.
6C = SC APC
3C = SC UPC
B3 = LC APC
A9 = LC UPC

4 Defines pigtail type.
2 = Standard pigtails

5 Defines fiber type.
R = Single-mode (OS2)

6 Select pigtail type.
J = Ribbon
H = Single Fiber

7 Defines optical devices.
000 = No optical devices

Not all part number configurations are available, please confirm availability with a Corning Optical Connectivity Customer Care representative.



Empty Housings, Rack Mounting



Centrix S1U Housing |
Photo CRR2730



Centrix S2U Housing |
Photo CRR2732



Centrix S4U Housing |
Photo CRR2734

Ordering Information

CTX -

1

- 1
- Defines Centrix™ rack housings.
S1U = 1RU, 3 cassettes housings, empty
S2U = 2RU, 6 cassettes housings, empty
S4U = 4RU, 12 cassettes housings, empty

Ordering Information

Part Number Example	
Part Number	Product Description
CTX-S1U	Centrix™ Housing, 1U, 3 Cassette Positions Empty
CTX-S2U	Centrix™ Housing, 2U, 6 Cassette Positions Empty
CTX-S4U	Centrix™ Housing, 4U, 12 Cassette Positions Empty

Housings with Cassettes, Adapters and Pigtails for Splicing

Ordering Information

CX

1

2

P

3

-

4

-

5

R

6

7

8

1 Defines Centrix™ housing.

1 = 1U, 3 cassette positions
2 = 2U, 6 cassette positions
4 = 4U, 12 cassette positions

3 Select fiber count per cassette.

12 = 12 fibers
24 = 24 fibers (LC or SC)
36 = 36 fibers (LC)

5 Defines pigtail length.

2 = Standard pigtail

2 Select total fiber count.
Specify fiber count per table based on housing size.

Housing - Fiber count 1RU
36 = 36, 12-fiber cassette
72 = 72, 24-fiber cassette
A8 = 108, 36-fiber cassette

Housing - Fiber count 2RU
72 = 72, 12-fiber cassette
E4 = 144, 24-fiber cassette
M6 = 216, 36-fiber cassette

Housing - Fiber count 4RU
E4 = 144, 12-fiber cassette
U8 = 288, 24-fiber cassette
WW = 432, 36-fiber cassette

4 Select adapter code.

6C = SC APC
3C = SC UPC
B3 = LC APC
A9 = LC UPC

6 Defines pigtail type.

R = Ribbon

7 Select pigtail type.

J = Ribbon
H = Single-fiber

8 Defines Centrix Splice Housing.

000 = Standard

Not all part number configurations are available, please confirm availability with a Corning Optical Connectivity Customer Care representative.

Ordering Information

Part Number Example	
Part Number	Product Description
CX4U8P24-3C-2RJ000	Centrix Splice Housing 288 ports with 12 Cassettes each with 24 SC-UPC adapters & SM Pigtails, Ribbon standard SM Pigtails
CX4WWP36-A9-2RJ000	Centrix Splice Housing 432 ports with 12 Cassettes each with 36 LC-UPC adapters & SM Pigtails, Ribbon standard SM Pigtails
CX172P24-3C-2RH000	Centrix Splice Housing 1RU, 72 ports with 3 Cassettes each with 24 SC UPC adapters and SM pigtails, MIC 900 µm

Stubbed Housings

Ordering Information

C	X	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	-	<input type="text"/>	<input type="text"/>	0	0	<input type="text"/>	B
		1	2	3	4	5	6	7	8	9	10						

- 1** Defines Centrix™ housing.
- 1 = 1U, 3 cassette positions
 - 2 = 2U, 6 cassette positions
 - 4 = 4U, 12 cassette positions

- 2** Select total fiber count.
Specify fiber count per table based on housing size.

Housing - Fiber count 1RU

- 36 = 36, 12-fiber cassette
- 72 = 72, 24-fiber cassette

Housing - Fiber count 2RU

- 72 = 72, 12-fiber cassette
- E4 = 144, 24-fiber cassette
- M6 = 216, 36-fiber cassette

Housing - Fiber count 4RU

- E4 = 144, 12-fiber cassette
- U8 = 288, 24-fiber cassette
- WW = 432, 36-fiber cassette

- 3** Select stub length.

- 16 = 16 m (50 ft)
- 31 = 31 m (100 ft)
- 61 = 61 m (200 ft)
- 92 = 92 m (300 ft)

- 4** Select fiber count per cassette.

- 12 = 12 fibers
- 24 = 24 fibers (LC or SC)
- 36 = 36 fibers (LC)

- 5** Select adapter code.

- 6C = SC APC
- 3C = SC UPC
- B3 = LC APC
- A9 = LC UPC

- 6** Defines fiber type.

- = Single-mode (OS2)

- 7** Select cable type.

- C7 = Ribbon riser, indoor, 12 F ribbons, single tube, water-swellaable, 216 F
- U4 = ALTOS dielectric, Fast Access®, loose tube outdoor, gel-free up to 288 F
- UF = FREEDM loose tube indoor/outdoor riser gel-free up to 288
- 81 = Unitized MIC riser cable, buffered up to 144 F
- Q4 = ALTOS® outdoor ribbon dielectric, gel-free, 288 to 432 F
- QF = FREEDM® loose tube indoor/outdoor ribbon gel-filled, water-swellaable tape, 288 to 432 F

- 8** Defines special configurations.

- 00 = Standard

- 9** Select the number of cables.

- 1 = One cable (standard)
- 2 = Two cables with full fiber count to be divided evenly

- 10** Defines cable entry direction.

- B = Right, when viewed from the rear (standard)
- F = Right, when viewed from the front (only an option for a front access frames)

Not all part number configurations are available, please confirm availability with a Corning Optical Connectivity Customer Care representative.

Ordering Information

Part Number Example	
Part Number	Product Description
CX4U831243C-UF001B	Centrix™ Stubbed 4U Housing 288 total ports with 24 port SC UPC cassettes, SM, FREEDM® LT indoor/outdoor gel-free cable, 31 m stub
CX4U831246C-UF001B	Centrix™ Stubbed 4U Housing 288 total ports with 24 port SC APC cassettes, SM, FREEDM® LT indoor/outdoor gel-free cable, 31 m stub

Ordering Information

Part Number Example	
Part Number	Product Description
CX4WW1636B3-QF001B	Centrix™ Stubbed 4U Housing 432 total ports with 36 port LC APC cassettes, SM, FREEDM® LT ribbon gel-free indoor/outdoor cable, 16 m stub
CX4WW3136A9-QF001B	Centrix™ Stubbed 4U Housing 432 total ports with 36 port LC UPC cassettes, SM, FREEDM® LT ribbon gel-free indoor/outdoor cable, 31 m stub

Frames

Ordering Information

CTX - - FRAME - 7
1

1 Select frame options.

SA = Centrix™ standard frame, rear cable access, 7 ft

FA = Centrix frame, front cable access, 7 ft

Frame Isolation Pads

Ordering Information

CTX - PK -
1

1 Select frame isolation pads.

SA = Centrix™ standard frame isolation pad, rear cable access

FA = Centrix frame isolation pad, front cable access

Ordering Information

Part Number Example

Part Number	Product Description
CTX-SA-FRAME-7	Centrix™ Standard Rear Cable Access Frame, 7 ft
CTX-FA-FRAME-7	Centrix™ Front Cable Access Frame, 7 ft

Splitter Cassettes



Ordering Information

CTX
CMA
00
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S

P

1

1

2

3

4

5

6

1 Defines cassette type, adapters with splitter devices.
CMA = Centrix cassette with splitter devices

3 Select adapter code.
6C = SC APC (only available as a 1x16 split)
B3 = LC APC (available as a 1x32 or 1x16 split)

5 Defines number of devices.
1 = One

2 Defines reference (future place holder).
00 = Reference place holder

4 Defines device type.
SP = Splitter

6 Select split ratio.
116 = 1x16
132 = 1x32

Ordering Information

Part Number Example	
Part Number	Product Description
CTXCMA00-B3-SP1132	Centrix Splitter cassette, One 1 x 32 Splitter, LC APC connectors
CTXCMA00-B3-SP1116	Centrix Splitter cassette, One 1 x 16 Splitter, LC APC connectors
CTXCMA00-6C-SP1116	Centrix Splitter cassette, One 1 x 16 Splitter, SC APC connectors

WDM Cassettes

Ordering Information

Part Number Example	
Part Number	Product Description
CTX6C08BJZZUN	Centrix WDM Cassette, 8 channel Mux or DeMux, 1470-1610 with 1310 port, SC APC
CTXB308BJZZUN	Centrix WDM Cassette, 8 channel Mux or DeMux, 1470-1610 with 1310 port, LC APC
CTX3C08BJZZUN	Centrix WDM Cassette, 8 channel Mux or DeMux, 1470-1610 with 1310 port, SC UPC
CTXA908BJZZUN	Centrix WDM Cassette, 8 channel Mux or DeMux, 1470-1610 with 1310 port, LC UPC

Reference Standard Single Frame Cross-Connect Jumper Part Numbers	
Part Number	Description
444401R3116005M	Jumper, Single-mode, SC APC to SC APC, 5 m long, 1.6 mm outer diameter
585801R3116005M	Jumper, Single-mode, SC UPC to SC UPC, 5 m long, 1.6 mm outer diameter
222201R3116005M	Jumper, Single-mode, LC APC to LC APC, 5 m long, 1.6 mm outer diameter
020201R3116005M	Jumper, Single-mode, LC UPC to LC UPC, 5 m long, 1.6 mm outer diameter
224401R3116005M	Jumper, Single-mode, LC APC to SC APC, 5 m long, 1.6 mm outer diameter

Corning recommends 1.6 mm jumpers for use in the Centrix solution. Full size Centrix frames support 2,880 to 4,320 jumpers predicated on the connector selection. Other configurations are available, please consult your customer service representative or sales manager for more information.

Resources

Standard Recommended Procedures (SRPs)	Rear Cable Access	Front Cable Access
Centrix™ Frame Installation	003-950	003-950
Centrix Empty Housing Installation	003-948	003-948
Centrix Stubbed Housing Installation	003-951	–
Centrix Pigtailed Housing and Cassette installation	003-949	003-949
Jumper Routing in Centrix Frame	003-960	003-960
Centrix Splitter/WDM Cassettes	003-959	003-959
Centrix Accessories	003-961	003-961
Centrix 1U Housing Installation	003-966	–

Centrix Accessories and Kits	
Part Number	Description
CTX-KIT-RT-DH	Centrix cassette kit for right hand jumper routing (12 per package)
CTX-KIT-SR-SA-UCC	Centrix housing cable strain-relief kit with UCC clamp for rear cable access applications
CTX-KIT-SR-FA-UCC	Centrix housing cable strain-relief kit with UCC clamp for front cable access applications
CTX-KIT-S1U-23	Centrix kit for 23 in rack mounting for 1RU housing
CTX-KIT-S2U-23	Centrix kit for 23 in rack mounting for 2RU and 4RU housings
Optional Accessories	
Part Number	Description
CTX-WORKSHELF	Centrix frame mounted workshelf; rear access frame
CTX-SERVICEBKT	Centrix cassette service bracket
Centrix Mounting Kits into the OCC Cabinets	
Part Number	Description
CTX-KIT-S4U-OCC	Centrix mounting kit for S4U mounting within an OCC cabinet
CTX-KIT-JRG-OCC	Centrix jumper routing guide for use in OCC cabinets
CTX-KIT-CTR80-OCC	Centrix mounting kit for center channel within an OCC-080 cabinet only

Notes

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