

# Centrix™ System

## Frequently Asked Questions

### PRODUCT

#### 1. What options and variations are available in the Centrix™ system portfolio?

Centrix System	Port Capacity	Dimensions (H)	Dimensions (W x D)	Footprint	Availability and Region	Lead Time
Single Cabinet	Up to 4,320 LC 2,880 SC 1,440 LSH	Available in: 2.2 m Other heights on request	0.9 x 0.3 m	0.27 m <sup>2</sup>	EMEA, APAC, CALA, US/CAN	4 weeks Ex Works
Dual Cabinet	Up to 8,640 LC 5,760 SC 2,880 LSH		1.8 x 0.3 m	0.54 m <sup>2</sup>	EMEA, APAC, CALA, US/CAN	4 weeks Ex Works
Quad Cabinet	Up to 17,280 LC 11,520 SC 5,760 LSH		1.8 x 0.6 m	1.08 m <sup>2</sup>	EMEA, APAC, CALA, US/CAN	4 weeks Ex Works

#### 2. How many ports can I manage with a single patch cord length?

Port capacity is dependent upon the respective port capacities of the single, dual, and quad cabinets

#### 3. Can I install pre-terminated cable assemblies in this cabinet?

Yes, the Centrix system cabinet supports both single- and multifibre connector-based cable assemblies.

#### 4. How is patch cord slack managed?

##### What overlength does the cabinet support?

Patch cord slack is managed in a free loop inside the cabinet. The slack is used to accommodate different port positions in an "every-to-any" cross-connect configuration. Patch cord lengths are defined by cabinet height and row configuration.

#### 5. What type/length of patch cord is recommended for use with this cabinet?

Patch cord lengths are defined by cabinet height and row configuration, e.g. 4 m for a quad frame, 2.2 m height configuration with up to 17,280 ports.

#### 6. Does the system require the use of 1.2 mm outer diameter (OD) patch cords for full capacity?

No. It is not required to use 1.2 mm OD patch cords to reach full capacity or scaling of the system beyond 100,000 ports.

#### 7. How can feeder cables/trunks enter the cabinet (top/bottom)?

Cabinets come with cable entries on the right or the left side.

PRODUCT (continued)

8. With which standards or environmental conditions does the cabinet comply?  
What standards has the cabinet been tested to?  
The Centrix™ system cabinets have been tested for:  
Shock: IEC 60068-2-27  
Vibration: IEC 60068-2-6
9. Are accessories such as cable strain-relief and routing hubs included?  
Cable strain-relief and routing hubs are included in the cabinet as standard accessories.
10. What accessories are included in the base configuration of the cabinet?  
The base configuration includes:  
- Patch cord management hubs (10 pcs)  
- Cable strain-relief plates (5 pcs)  
- Bolts for fixing the cabinet to the floor (4 pcs)  
- Bolts for fixing the cabinet side by side (4 pcs)

11. What is the capacity of the Centrix system housings?

Housings	Capacity
1U	3 cassettes, up to 108 LC ports, 72 SC ports, and 36 LSH ports
2U	6 cassettes, up to 216 LC ports, 144 SC ports, and 72 LSH ports
4U	12 cassettes, up to 432 LC ports, 288 SC ports, and 104 LSH ports

12. How are patch cords managed in the high-density cross-connect?  
Patch cords are managed through a combination of simple routing rules, maximised access and handling space, and a single defined patch cord length for any connection between two ports in single, dual, or quad configurations.
13. What type of cable does the cabinet accept?  
The cabinet accepts any type of fibre optic cable: indoor- or indoor/outdoor-rated, armored, with or without central strength member, and virtually any diameter up to the OD of the cable entry.



# APPLICATION

1. Why should I use the Centrix™ system cabinet?

Patch cord management is one of the biggest challenges in high-fibre-count environments. When running a system with many hundreds of connection points and a significant growth or churn rate, connections between different network areas need to be managed properly in order to maintain service levels, system integrity, and response times. A cabinet that consolidates high-fibre port numbers can facilitate easy patch cord management even at high load rates.

2. What are the applications for this type of cabinet?

The Centrix system cabinet is designed for large and midsize fibre nodes in central offices, headends, mobile switch centers, data centres, points of presence, distribution and access networks, as well as meet-me room applications.

3. What are the benefits of a very high-density cross-connect system?

Patch cords can be kept short and at a few easily predictable lengths. They are better protected, managed, and handled when staying inside a cross-connect cabinet, avoiding the need to run them across cable trays.

4. How is the system documented for operation (port mapping, patch cord routing)?

Individual port identification label space is provided on the drop handle lid on the front of the cassette. Routing hubs and related patch panel spaces are numbered and color labeled, which corresponds to matching labels on the cassettes to indicate patch cord routing paths. Examples are described in the installation instruction documents provided with the cabinet.

5. Can the cabinet be secured against unauthorised access?

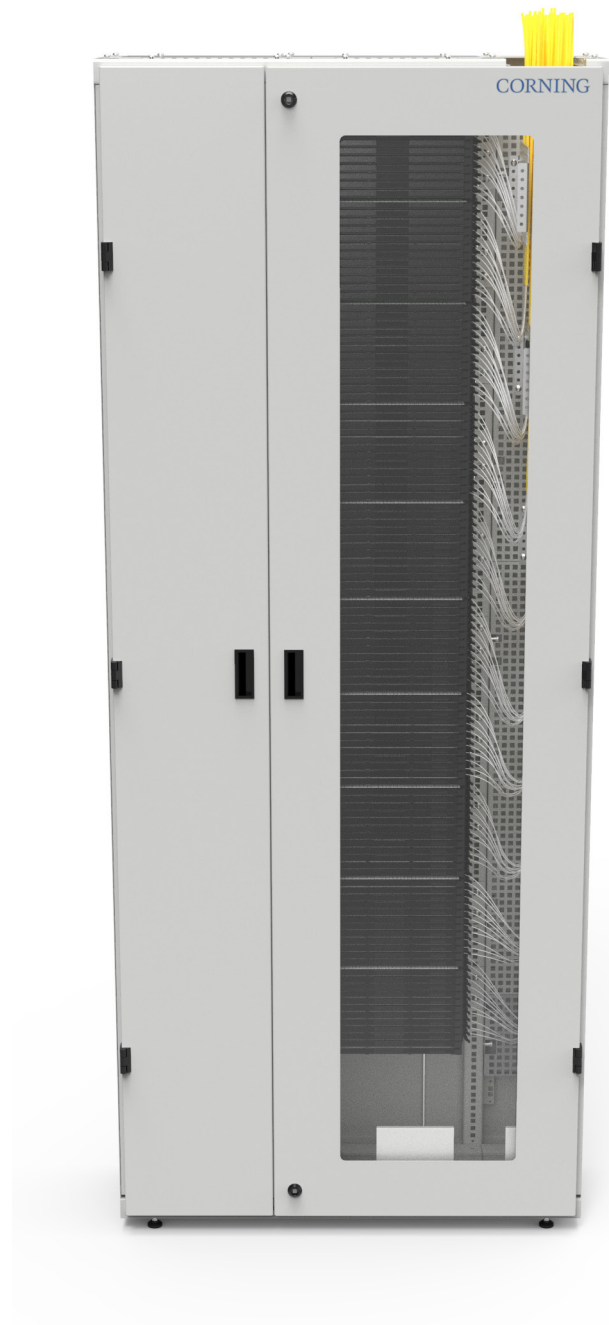
Yes, lock options are available.

6. How is the system linked to management software (IMS)?

Corning provides CAD elements and Visio® stencils of all hardware components for visualisation in infrastructure management software platforms. Patch cords and trunk assemblies can be provided with individual ID labels with bar codes or QR tags.

7. How do I integrate this system with my existing infrastructure?

Cable and patch cord exits at the top and bottom, and patch cord exits left and right, connect to existing cabling systems and infrastructures. Frame adapters to adjust the interface between dimensional differences are available. An overlength management frame (OLM) can be used to manage patch cord slack.



## APPLICATION (continued)

### 8. How can a cabinet be extended?

Cabinets can be combined to dual or quad configurations using a single patch cord length. Further expansions in rows require additional patch cord lengths. An overlength management frame (OLM) and top cable bridge system are available for expansions across rows.

Centrix™ System	Cable Length
Single Cabinet	4 m (For 2.2 m cabinet)
Dual Cabinet	
Quad Cabinet	

### 9. Does the cabinet support external patch cord connections to others?

Yes. Patch cords can be routed to other cabinets over the top of the cabinet or in the bottom tray.

### 10. How do you define a quad and dual solution?

A dual-cabinet configuration has two cabinets side by side with connected patch cord management areas, which allows patching across without needing a different patch cord length or routing scheme.

Quad-cabinet configurations are defined as two dual cabinets placed back to back, built with Centrix system front access cabinets. The rear walls are open below the patch cord management hubs to allow patch cord routing from front to back without needing a different patch cord length or routing scheme.

These configurations enable up to 17,280 fibre ports to be freely cross-connected using a single patch cord length and a footprint of 1 square meter.

## ENHANCEMENT

### 1. What are the features and benefits of the Centrix system?

Features of the Centrix system include:

- Single patch cord length for up to 17,280 LC fibre ports
- Improved patch cord management options over the previous versions of Centrix
- New optical device functions in cassettes
- Improved feeder cable area and strain-relief options for bare cables, trunks (cable assemblies), and speed pipes with gas seals
- Improved cable containment for raised floor cabling
- Improved door installation

### 2. Can I combine the Centrix system with other hardware?

Yes, Centrix system housings can be mounted into standard 19-in racks using the supplied mounting brackets.

## COLLATERALS

### 1. Can you provide an installation, reference?

Please see the available case study at:  
[www.corning.com/emea/en/telehouse](http://www.corning.com/emea/en/telehouse)

### 2. What supporting documents are available?

Datasheets, installation, and operation instructions (SRPs), and specification texts are available online. For additional information, visit our online catalog.

Centrix System Family  
Spec Sheet





# SERVICES

1. Where can I see/trial an installation sample?

Live samples are available in the Corning Technology Center in Berlin and other Corning locations such as Paris, Frankfurt, Dubai, Amsterdam, and Strykow. Please contact your sales or customer care representative for site visits.

2. What is covered in the warranty?  
Is there an extended warranty?

A 2-year warranty period is standard for all elements of the product. A warranty extension is possible within a certain timeframe in specific instances (i.e. part of the tender requirements). The product could also be covered under the NPI 25-year warranty.

3. What is the standard lead time for the cabinet?

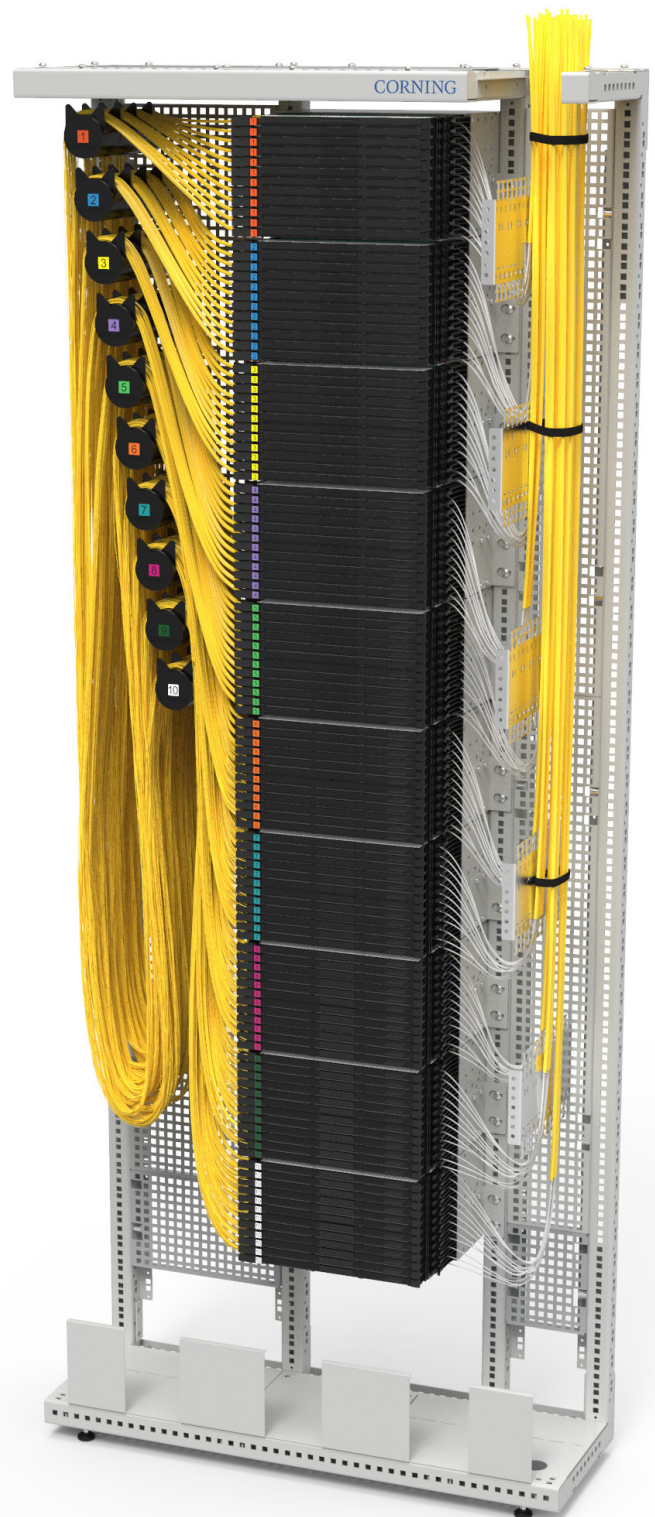
Standard lead time is four weeks.

4. Is the cabinet shipped fully assembled  
or in separate pieces?

There are two options: preassembled, or in flat packs for on-site assembly. Fully loaded cabinets including connectivity components can be configured upon request, but it is not recommended to ship this way.

5. How is the product packaged?

Front access frames and cabinets are shipped preassembled on a pallet or in flat packs for easy transport.



The Corning logo consists of a solid blue square. Inside the square, the word "CORNING" is written in a white, serif, all-caps font, positioned in the lower half of the square.

CORNING

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