Cisco Cabinet Dimensions

This appendix illustrates the space requirements for various system configurations in the Cisco cabinet and a typical cable management setup. It also contains a table with the height of Cisco WAN switching components in inches, centimeters, and rack-mount units (RMUs). This can help in the calculation of height requirements for individual system configurations. The last illustration shows the bracket installation in the Cisco cabinet (for a BPX 8620 node, in this case). The illustrated components are the:

• BPX 8600-series switches
• IGX 8400-series switches
• Cisco MGX 8220 edge concentrator

The sequence of illustrations in this chapter is as follows:

• Cisco Cabinet
• Cable Management
• Examples of System Configurations
• Table of Component Heights
Figure C-1 Back View of Cisco Cabinet

Frame bonding connection

Frame bonding connection
Figure C-2  Cable Management
Figure C-3  IGX 8430 Switch, AC and DC-Powered
Figure C-4  IGX 8420 Switch, DC-Powered and AC-Powered

DC-powered IGX 8420 switch

AC-powered IGX 8420 switch
Figure C-5  IGX 8410 Switch, AC or DC-Powered
Figure C-6  Single BPX Switch, AC and DC-Powered

DC-powered BPX 8620 node  AC-powered BPX 8620 node

8.75

3.50
Figure C-7  Single BPX Node and MGX 8220 Edge Concentrator, AC and DC-Powered

- Exhaust plenum
- MGX 8220
- Cooling unit
- BPX 8620 switch

DC-powered BPX 8620 and MGX 8220 units

- Exhaust plenum
- MGX 8220
- Cooling unit
- AC power supply
- BPX 8620 switch

AC-powered BPX 8620 and MGX 8220 units

8.75

3.50
Figure C-8  BPX Node, MGX 8220 Edge Concentrator, and ESP, AC and DC-Powered

- Exhaust plenum
- MGX 8220
- Cooling unit
- BPX 8620 switch
- AC power supply
- WAN service node
- BPX 8620/MGX 8220/ESP
- DC power
- AC power
Figure C-9  BPX Node With 2 ESP Systems and 3 MGX 8220 Shelves, DC-Powered
Figure C-10  Six MGX 8220 Edge Concentrators, DC-Powered

Six MGX 8220 edge concentrators
Figure C-11    BPX Node With Three MGX 8220 Edge Concentrators, DC-Powered

One BPX 8620 and three MGX 8220 units
<table>
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<th>Unit Height</th>
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**Note**  The depth of the Cisco-supplied cabinet is 36 inches, the width is 23 inches, and the weight (empty of equipment with side panels installed) is 233 pounds.
Figure C-12  Mounting Brackets (BPX Example)

BPX shelf

Bottom of support bracket is mounted even with bottom of BPX shelf

Additional bracket for AC power supply

19.86 Ref

Front rail

Rear rail