

REVIT CONTENT GUIDE

Manufacturer: Legrand | Ortronics
Description: Mighty Mo 10 Server Rack
File: Rack-Server-Ortronics-Mighty_Mo_10.rfa
Type Catalog: Not Applicable
Rendering file: Not Applicable
Schedule file: Schedule – Rack-Server-Ortronics-Mighty_Mo_10.rvt



Constraints	
Level	Level 1
Host	Level : Level 1
Offset	0' 0"
Moves With Nearby Elements	<input type="checkbox"/>
Construction	
Rear Door Opens Right	<input type="checkbox"/>
Rear Door Opens Left	<input checked="" type="checkbox"/>
Has Right Baffle Rail at 30 In.	<input type="checkbox"/>
Has Right Baffle Rail at 16 In.	<input type="checkbox"/>
Has Rear Door	<input type="checkbox"/>
Has Rear Cable Manager	<input type="checkbox"/>
Has Left Baffle Rail at 30 In.	<input type="checkbox"/>
Has Left Baffle Rail at 16 In.	<input type="checkbox"/>
Has Front Door	<input type="checkbox"/>
Has Front Cable Manager	<input type="checkbox"/>
Front Door Opens Right	<input type="checkbox"/>
Front Door Opens Left	<input checked="" type="checkbox"/>
Base Angles Face Inward	<input type="checkbox"/>
Graphics	
Rack Unit Numbers are Visible	<input checked="" type="checkbox"/>
No Fly Zone Depth	3' 0"
Has Snap Locations	<input checked="" type="checkbox"/>
Has Right Side Clearance Area	<input checked="" type="checkbox"/>
Has No Fly Zone	<input checked="" type="checkbox"/>
Has Left Side Clearance Area	<input checked="" type="checkbox"/>
Has Front Clearance Area	<input checked="" type="checkbox"/>
Has Back Clearance Area	<input checked="" type="checkbox"/>
Doors Are Open	<input type="checkbox"/>
Clearance Depth Right	3' 0"
Clearance Depth Left	3' 0"
Clearance Depth Front	3' 0"
Clearance Depth Back	3' 0"
Electrical - Loads	
Panel	
Circuit Number	
Identity Data	
Equipment Number	
Comments	
Mark	
Electrical - Circuiting	
Electrical Data	

Parameter	Value
Constraints	
Rail Type	MM10 Baffle Rail : 7'
Materials and Finishes	
Product Material	Aluminum - Ortronics - Anodized
Dimensions	
Width	1' 11 3/4"
Height	7' 0"
Depth	2' 6"
Identity Data	
URL	http://www.legrand.us/ortronics
Provide Feedback	https://www.surveymonkey.com/
Product Documentation Link	http://www.legrand.us/ortronics/
Part Number	OR-MM107SVR
Part Description	45 RU Mighty Mo 10 Server Rack,
Original Creation Date	June 27, 2012
Model Disclaimer	Contact Legrand Ortronics for
Model	OR-MM107SVR
Manufacturer	Legrand Ortronics
Family Version	1.0.0
Equipment Abbreviation	SR
Description	45 RU Mighty Mo 10 Server Rack,
Date Last Modified	June 27, 2012
Copyright	Copyright © Legrand Ortronics
Keynote	
Type Comments	
Assembly Description	
Assembly Code	
Type Mark	
Cost	
OmniClass Number	23.85.50.17
OmniClass Title	Communication and Data Processin
Model Properties	
Rack Spaces RU	45.000000

Type Properties

Instance Properties



Loading and placing into the Project:

One 'Data Device' family is supplied and can be loaded into a Revit project through all traditional methods. There are no family supporting files (i.e. type catalog, look up tables or render library files). The rack does not require a host model and should be placed in a plan view for maximum usability. The family's origin point is in the center of the mounting rails.

Project Behavior:

This family is intended to be used with compatible components. Once placed, compatible rack mounted hardware and accessories can be snapped into place along the mounting rails where insertion references exist for each RU location. A pull-grip exists in all views (including 3D) to adjust the rear mounting rails at half inch intervals for accurate rack configuration.

Instance Parameters:

In the "Instance Parameters", the user can control the following options:

- Equipment Number – For tagging each placed instance.
- Has [Right, Left, Back, Front] Clearance Areas – Turns the visibility of clearance area geometry on/off.
- Clearance Depth [Sides, Front, Back] – Changes the depth of the clearance area.
- Has No Fly Zone – Turns the visibility of no fly zone geometry on/off.
- No Fly Zone Depth – Changes the depth of the no fly zone.
- Has Snap Locations – Turns the visibility of the snap locations geometry on/off.
- Rack Unit Numbers are Visible – Toggles the visibility of the rack unit numbers on the right front mounting rail
- Base Angles Face Inward – Inverts the base angles under the mounting rails for a narrower footprint.
- Has [Front, Rear] Door – Shows MM10 Vented Door Assembly. Scheduled separately.
- Has [Front, Rear] Cable Manager – Changes MM10VDA type to accommodate a vertical cable Management cage.
- [Front, Rear] Door Opens [Right, Left] – Toggles MM10VDA swing direction.
- Has [Right, Left] Baffle Rail at [16, 30] In. – Shows Server Rack Baffle Rail to accommodate a rack mounted Baffle Rail with intended Cable Management Cage. Scheduled separately.
- Doors Are Open – Shows the visible VDA's open to their current swing direction

Type Parameters:

Each type represents a manufactured product. Therefore, the type parameters should not be modified. Please note:

- Product Documentation Link – Directs a webpage to the products online listing.
- Equipment Abbreviation – For filtering schedules. *See scheduling description below.
- Rack Spaces RU – Indicates how many rack units the product supports.

The family contains four (4) types whose values do not need to be modified by the user for standard configuration.

45 RU, 19"

45 RU, 23"

51 RU, 19"

51 RU, 23"



Within the type properties dialogue box the user will find useful information for scheduling purposes such as Number of Rack Spaces, Height, Width, Depth and other unique properties of the family. In “Identity Data” the user will find information specific to the model, i.e.: family revision information, Ortronics copyright information, part description, product URL and other specific data. *See scheduling description below.

Visibility:

For best performance, all model geometry is turned off in Plan view and represented through masking regions and symbolic lines. Users will see simplified representations of the rack features in each detail level: coarse, medium and fine. For maximum usability, all geometry is also assigned the subcategory: Racks & Enclosures.

Clearance Areas:

Clearance areas exist for each side of the rack as well as the top, and can be manipulated through the parameters listed above (Has Clearance areas, Clearance Depth, Has No Fly Zone, No Fly Zone Depth). They are represented through 3D geometry in 3D Views and by 2D symbolic lines in plan/section views. To ‘turn off’ this geometry across all Data Devices, turn off the subcategories: Clearance Areas, No Fly Zone.

Rendering:

When the family file is loaded into the project standard Ortronics materials are imported. These may be modified, though ensure that the modification selection matches an actual manufacturer supplied option.

Scheduling & BOM creation:

Ortronics products may be scheduled utilizing the schedule view in the given project file. Select and copy (**Ctrl-C**) the schedule from the sheet view and paste it (**Ctrl-V**) into a sheet in your project. The schedule filters are set to look for only those units designated with **Manufacturer** as “Legrand I Ortronics” and **Equipment Abbreviation** as “SR”. The schedules contain special functionality for displaying the configured order numbers of the different selected types.