

## Shelves (Fixed) - Panel Mount (Single Pair of Panel Rails)

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**Vented**  
(7" Deep - 1U Shown)



**Unvented**  
(7" Deep - 1U Shown)



Assembly  
Instructions

### Panel Rail Mounted

*Light Duty (Maximum 40 - 80 pound loads)*

**Fixed Chassis/Shelf (Vented or Unvented)**

- Allows easy rack mounting of narrow equipment or items that do not have rack mounting capabilities.
- Shelves feature formed 16-gauge steel construction
- Choice of three heights - 1.75"(1U), 3.5"(2U) or 5.25"(3U) of panel space
- Front & back edge folded - acting as both stiffeners and equipment retainers..
- Weight load tested: (1U-40 pounds, 2U-65 pounds, 3U-80 pounds)
- Mounts to rack rails either as an internal shelf or external shelf/work area
- Choice of two depths - 7" or 14.5"
- Available in either vented or unvented versions
- Shelves include tie down slots on each side & four tie down holes.
- Perfect for our smaller desk top racks (ex: [RCBS](#), [RCHS](#), [RCHV](#), [RRTT](#), [1459](#) series)
- Rugged textured - black powder paint finish
- Requires mounting [hardware](#)

### A few other installation ideas...



**RASU190107DBK1** mounted

**RASU190107DBK1** front mounted on a "DNRR" series relay rack

**RASVL190314BK1** mounted in a 17" deep - "RCHS" series desktop rack cabinet

upside down on a "DNRR" series relay rack (keyboard not included)

## VENTED

| Part Number           | Thumbnail Photo<br>(Click to enlarge)  | Panel Height |       |  Reader File | AutoCAD .dxf File (zipped)  | 3D Solid Model .stp files (zipped)  | Shelf Depth | Weight Load Rating (Pounds) | Stiffener Lip(s) Folded |
|-----------------------|--|--------------|-------|---|---|---|-------------|-----------------------------|-------------------------|
|                       |  | Inches       | Units |   |   |   |             |                             |                         |
| <b>19" Rack Mount</b> |  |              |       |   |   |   |             |                             |                         |
| <b>RASV190107UBK1</b> |   | 1.75"        | 1U    |  147K        |  116K  |  177K  | 7"          | 40                          | Up (front & back)       |
| <b>RASV190107DBK1</b> |   | 1.75"        | 1U    |  143K        |  103K  |  156K  | 7"          | 40                          | Down (front & back)     |
| <b>RASVL190314BK1</b> |   | 3.50"        | 2U    |  163K        |  124K  |  197K  | 14.5"       | 65                          | Up (back only)          |
| <b>RASVL190514BK1</b> |  | 5.25"        | 3U    |  164K       |  119K |  197K | 14.5"       | 80                          | Up (back only)          |

## UNVENTED

| Part Number           | Thumbnail Photo<br>(Click to enlarge)   | Panel Height |       |  Reader File | AutoCAD .dxf File (zipped)  | 3D Solid Model .stp files (zipped)  | Shelf Depth | Weight Load Rating (Pounds) | Stiffener Lip(s) Folded |
|-----------------------|---|--------------|-------|---|---|---|-------------|-----------------------------|-------------------------|
|                       |   | Inches       | Units |   |   |   |             |                             |                         |
| <b>19" Rack Mount</b> |   |              |       |   |   |   |             |                             |                         |
| <b>RASU190107UBK1</b> |  | 1.75"        | 1U    |  77K         |  50K |  49K | 7"          | 40                          | Up (front & back)       |
| <b>RASU190107DBK1</b> |  | 1.75"        | 1U    |  74K         |  43K |  38K | 7"          | 40                          | Down (front & back)     |
| <b>RASUL190314BK1</b> |  | 3.50"        | 2U    |  80K         |  46K |  42K | 14.5"       | 65                          | Up (back only)          |
| <b>RASUL190514BK1</b> |  | 5.25"        | 3U    |  84K         |  46K |  42K | 14.5"       | 80                          | Up (back only)          |





|                       |       |       |    |   |   |  |            |     |     |
|-----------------------|-------|-------|----|---|---|--|------------|-----|-----|
| <b>RASU190715BK1</b>  | Black | 7.00" | 4U |  81K  |  45K  |  35K  | <b>19"</b> | 15" | 200 |
| <b>RASU190720BK1</b>  | Black | 7.00" | 4U |  73K |  45K |  35K | <b>19"</b> | 20" | 200 |
| <b>23" Rack Mount</b> |       |       |    |   |   |  |            |     |     |
| <b>RASU230515BK1</b>  | Black | 5.25" | 3U |  71K |  45K |  35K | <b>23"</b> | 15" | 200 |
| <b>RASU230520BK1</b>  | Black | 5.25" | 3U |  72K |  46K |  35K | <b>23"</b> | 20" | 200 |
| <b>24" Rack Mount</b> |       |       |    |   |   |  |            |     |     |
| <b>RASU240515BK1</b>  | Black | 5.25" | 3U |  70K |  45K |  35K | <b>24"</b> | 15" | 200 |
| <b>RASU240520BK1</b>  | Black | 5.25" | 3U |  72K |  45K |  35K | <b>24"</b> | 20" | 200 |



**Vented**



**Unvented**

### Panel Rail Mounted Dual Modem Shelves (Vented or Unvented)

- Dual modem shelf permits front and rear access to modems on open relay racks
- Unvented version available in either 19" or 23" rack panel width
- Uses 3.5" (2U) of vertical panel space
- Overall 19.5" deep
- The vented version provides a sturdy shelf without obstructing upward heat movement
- 16-gauge steel construction
- Front & rear lip folded for extra strength & become equipment retainers
- Weight load tested (DNDMS23BK1) to 200 pounds
- Rugged textured - black powder paint finish
- Requires mounting [hardware](#)



Assembly  
Instructions

## VENTED

| Part Number           | <br>Reader File | AutoCAD<br>.dxf File<br>(zipped)  | 3D<br>Solid Model<br>.stp files<br>(zipped)   | Panel Width |
|-----------------------|--|---|---|-------------|
| <b>19" Rack Mount</b> |  |   |   |             |
| <b>DNDMV19BK1</b>     | <br>164K        | <br>153K | <br>277K | <b>19"</b>  |

## UNVENTED

| Part Number           | <br>Reader File | AutoCAD<br>.dxf File<br>(zipped)  | 3D<br>Solid Model<br>.stp files<br>(zipped)   | Panel Width |
|-----------------------|--|---|---|-------------|
| <b>19" Rack Mount</b> |  |   |   |             |
| <b>DNDMS19BK1</b>     | <br>97K         | <br>51K  | <br>43K  | <b>19"</b>  |
| <b>23" Rack Mount</b> |  |   |   |             |
| <b>DNDMS23BK1</b>     | <br>97K        | <br>51K | <br>43K | <b>23"</b>  |

*Note:* Weight load tested (DNDMS23BK1) to 200 pounds.



### Adjustable Shelf

- Mounts to panel rails using 5.25" (3U) of vertical panel space
- Movable side brackets allow mounting inside or outside rack at 4 different depths
- Designed mainly for open relay racks - works panel mounted on any rack
- Choice of 16" or 20" deep
- Available in either 19" or 23" rack panel width
- 14 Ga. steel construction
- Weight load tested (DNRMA2320BK1) to 275 pounds
- Finished in rugged textured - black powder paint
- Requires mounting [hardware](#)



Assembly  
Instructions



| Part Number           |  PDF Reader File | AutoCAD .dxf File (zipped)  | 3D Solid Model .stp files (zipped)  | Panel Width | Shelf Depth |
|-----------------------|--|---|---|-------------|-------------|
| <b>19" Rack Mount</b> |  |   |   |             |             |
| <b>DNRMA1916BK1</b>   |  186K           |  57K |  41K | <b>19"</b>  | 16"         |
| <b>DNRMA1920BK1</b>   |  192K           |  58K |  42K | <b>19"</b>  | 20"         |
| <b>23" Rack Mount</b> |  |   |   |             |             |
| <b>DNRMA2316BK1</b>   |  182K           |  58K |  41K | <b>23"</b>  | 16"         |
| <b>DNRMA2320BK1</b>   |  185K           |  59K |  42K | <b>23"</b>  | 20"         |

**Note:** Weight load tested (DNRMA2320BK1) to 275 pounds.



### Panel Rail Mounted Clamping Shelves (Vented)



Example of clamped equipment (in this case 10.5" wide)

- Allows easy rack mounting of narrow equipment or items that do not have rack mounting capabilities
- Includes two adjustable - gasketed (to protect from scratching the clamped equipment) horizontal clamps.
- Designed for equipment requiring front adjustment without sliding around the shelf (ie...pushbuttons, jacks, plugs, dials etc.)
- Choice of four clamp locations depending on depth of equipment
- Choice of three shelf heights (see table below)
- Mounted equipment height should be at least 1/2" shorter than shelf "panel height" to allow clearance for the gasketed clamps (see table below).
- Provides a sturdy shelf without obstructing upward heat movement
- Rear lip folded up for extra strength & doubles as an equipment retainer
- 14-gauge steel construction
- Rugged textured - black powder paint finish
- Requires mounting [hardware](#)



Assembly  
Instructions

## VENTED

| Part Number           | Shelf Panel Height |           | Maximum<br>Equipment<br>Height<br>(Inches) |  Reader<br>File | AutoCAD<br>.dxf File<br>(zipped)   | 3D<br>Solid Model<br>.stp files<br>(zipped)  | Shelf<br>Depth |
|-----------------------|--------------------|-----------|--|---|--|--|----------------|
|                       | Inches             | Units     |  |   |  |  |                |
| <b>19" Rack Mount</b> |                    |           |  |   |  |  |                |
| <b>RACSV190315BK1</b> | <b>3.50"</b>       | <b>2U</b> | <b>3"</b>                                  |  274K           |  119K |  257K | <b>15"</b>     |
| <b>RACSV190515BK1</b> | <b>5.25"</b>       | <b>3U</b> | <b>4.75"</b>                               |  290K           |  124K |  293K | <b>15"</b>     |
| <b>RACSV190715BK1</b> | <b>7.00"</b>       | <b>4U</b> | <b>6.5"</b>                                |  300K           |  131K |  319K | <b>15"</b>     |




### Panel Rail Mounted Keyboard/Monitor Shelf

- Mounts to panel rails using 5.25" (3U) of vertical panel space
- Extends 15" back from front panel
- Slanted keyboard section is 8.5"
- Rear lip to reduce chance of monitor being pushed off rear of shelf
- Available in either 19" or 23" rack panel width
- 14 Ga. steel construction
- Weight load tested (RKBM23BK1) to 160 pounds
- Finished in rugged textured - black powder paint
- Requires mounting [hardware](#)



Assembly  
Instructions

| Part Number           |  Reader<br>File | AutoCAD<br>.dxf File<br>(zipped) | 3D<br>Solid Model<br>.stp files<br>(zipped) | Panel Width |
|-----------------------|--|----------------------------------|---|-------------|
| <b>19" Rack Mount</b> |  |                                  |   |             |



|                       |   |  |   |            |
|-----------------------|---|--|---|------------|
| <b>RKBM19BK1</b>      | <br>155K | <br>50K | <br>40K | <b>19"</b> |
| <b>23" Rack Mount</b> |   |  |   |            |
| <b>RKBM23BK1</b>      | <br>121K | <br>50K | <br>40K | <b>23"</b> |

**Note:** Weight load tested (RKBM23BK1) to 160 pounds.

Shelf mounted to open aluminum Relay Rack



(keyboard not included)



### Panel Rail Mounted Equipment Shelf

- Standard 19" rack mount
- A closed shelf with 1.5" dia. holes in each bottom corner for cord access
- Fabricated from 18 gauge steel
- Inside dimensions 17.2" wide x 15" deep
- Opening height is only 1" less than panel height
- Finished in smooth white (to aid visibility), powder paint
- Requires mounting [hardware](#)



Assembly Instructions

|                    |   |                             |  |                        |
|--------------------|---|-----------------------------|--|------------------------|
| <b>Part Number</b> | <br>Reader | <b>AutoCAD</b><br>.dxf File | <b>3D</b><br>Solid Model<br>.stp files | <b>Panel</b><br>Height |
|--------------------|---|-----------------------------|--|------------------------|

|                       | File   | (zipped)   | (zipped)  | Inches | Units |
|-----------------------|--|--|---|--------|-------|
| <b>19" Rack Mount</b> |  |  |   |        |       |
| <b>RASE1900815WH2</b> | <br>88K | <br>40K | <br>31K | 8.75"  | 5U    |
| <b>RASE1901015WH2</b> | <br>81K | <br>40K | <br>31K | 10.50" | 6U    |
| <b>RASE1901215WH2</b> | <br>80K | <br>40K | <br>31K | 12.25" | 7U    |

**Note:** Weight load tested (RASE191215WH2) to 75 pounds.

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