

Overview

Ausrack CQR is a range of Class C and Class B cabinets suitable for ensuring protection of equipment to government security standards. These cabinets have been inspected and endorsed by the Security Construction & Equipment Commission (S.C.E.C.) as being suitable for use in secure networks.



Features

- Complies with the specifications of Class C 19" Rack Security Container, Revision C, May 2003
- Endorsed by the Security Construction & Equipment Commission (S.C.E.C.)
- Endorsed bi-lock mechanism for Class C and electronic combination locking mechanism for Class B
- Cabinets are individually serialised with key details recorded
- Once unlocked, it requires minimal force on the latch mechanism to open the door
- Fully adjustable 19" mounting rails
- Robust fully welded steel structure with three horizontal supports
- 800mm wide rack mounting rails include cable routing apertures, with optional brushes for improved cable and air flow management
- Available with solid steel doors or with steel doors with two cutouts
- Inserts for cutouts include polycarbonate, mesh for enhanced air flow and fans units for directed active air flow
- Cable entry points in top and base, with integrated cable management
- Optional fan units can be mounted in the roof of the rack with use of top hamper
- Integrated adjustable levelling feet
- Robust zinc coated steel for strength and corrosion protection
- Finished in textured matt black powdercoat
- Comprehensive range of accessories from Ausrack Plus range
- Custom designs and configurations are available
- Designed and manufactured in Australia

Inclusions

- 4 adjustable position, RU marked rails
- 2 secure side panels (internal bolts)
- Adjustable levelling feet

Note: A complete CQR cabinet configuration requires a cabinet and two doors. The doors must be either a Class C or Class B construction. The options available for either type of cabinet door are solid steel, or steel with two cutouts and two inserts.

Ordering Guide

Step 1 - Select enclosure model size

Step 2 - Select doors

**Step 3 - Select door inserts
(required for steel insert door)**

Step 4 - Select accessories

Model Sizes

The Ausrack CQR base cabinet includes two side panels, 4 adjustable mounting rails and adjustable levelling feet.

Note: – Doors must be purchased to complete the cabinet. The type of door depends on the application requirement (Class C and Class B).

| Model No | Height (RU) | Dimensions (mm) | | |
|------------|-------------|-----------------|-------|-------|
| | | Height | Width | Depth |
| ACQR27U608 | 27 | 1355 | 650 | 800 |
| ACQR27U609 | 27 | 1355 | 650 | 900 |
| ACQR27U610 | 27 | 1355 | 650 | 1000 |
| ACQR27U612 | 27 | 1355 | 650 | 1200 |
| ACQR27U808 | 27 | 1355 | 800 | 800 |
| ACQR27U809 | 27 | 1355 | 800 | 900 |
| ACQR27U810 | 27 | 1355 | 800 | 1000 |
| ACQR27U812 | 27 | 1355 | 800 | 1200 |
| ACQR40U608 | 40 | 1935 | 650 | 800 |
| ACQR40U609 | 40 | 1935 | 650 | 900 |
| ACQR40U610 | 40 | 1935 | 650 | 1000 |
| ACQR40U612 | 40 | 1935 | 650 | 1200 |
| ACQR40U808 | 40 | 1935 | 800 | 800 |
| ACQR40U809 | 40 | 1935 | 800 | 900 |
| ACQR40U810 | 40 | 1935 | 800 | 1000 |
| ACQR40U812 | 40 | 1935 | 800 | 1200 |
| ACQR45U608 | 45 | 2155 | 650 | 800 |
| ACQR45U609 | 45 | 2155 | 650 | 900 |
| ACQR45U610 | 45 | 2155 | 650 | 1000 |
| ACQR45U612 | 45 | 2155 | 650 | 1200 |
| ACQR45U808 | 45 | 2155 | 800 | 800 |
| ACQR45U809 | 45 | 2155 | 800 | 900 |
| ACQR45U810 | 45 | 2155 | 800 | 1000 |
| ACQR45U812 | 45 | 2155 | 800 | 1200 |



Doors (required)

Steel Doors

| Model No | Class | Description | To suit (mm) | |
|--------------|-------|--------------------|--------------|-------|
| | | | Height | Width |
| ACQRDSC27U06 | C | Class C steel door | 27 | 650 |
| ACQRDSC27U08 | C | Class C steel door | 27 | 800 |
| ACQRDSC40U06 | C | Class C steel door | 40 | 650 |
| ACQRDSC40U08 | C | Class C steel door | 40 | 800 |
| ACQRDSC45U06 | C | Class C steel door | 45 | 650 |
| ACQRDSC45U08 | C | Class C steel door | 45 | 800 |
| ACQRDSB27U06 | B | Class B steel door | 27 | 650 |
| ACQRDSB27U08 | B | Class B steel door | 27 | 800 |
| ACQRDSB40U06 | B | Class B steel door | 40 | 650 |
| ACQRDSB40U08 | B | Class B steel door | 40 | 800 |
| ACQRDSB45U06 | B | Class B steel door | 45 | 650 |
| ACQRDSB45U08 | B | Class B steel door | 45 | 800 |



Class B
Solid steel door

Steel Doors with cutouts for inserts

Note: 2 inserts are required per 40 & 45 RU door and 1 insert required for 27RU door. See following table for insert types.

| Model No | Class | Description | To suit (mm) | |
|--------------|-------|---------------------|--------------|-------|
| | | | Height | Width |
| ACQRDIC27U06 | C | Class C insert door | 27 | 650 |
| ACQRDIC27U08 | C | Class C insert door | 27 | 800 |
| ACQRDIC40U06 | C | Class C insert door | 40 | 650 |
| ACQRDIC40U08 | C | Class C insert door | 40 | 800 |
| ACQRDIC45U06 | C | Class C insert door | 45 | 650 |
| ACQRDIC45U08 | C | Class C insert door | 45 | 800 |
| ACQRDIB27U06 | B | Class B insert door | 27 | 650 |
| ACQRDIB27U08 | B | Class B insert door | 27 | 800 |
| ACQRDIB40U06 | B | Class B insert door | 40 | 650 |
| ACQRDIB40U08 | B | Class B insert door | 40 | 800 |
| ACQRDIB45U06 | B | Class B insert door | 45 | 650 |
| ACQRDIB45U08 | B | Class B insert door | 45 | 800 |



Class B door with 4 high speed fan insert (top) and mesh insert (bottom)



Class C door with mesh inserts

Inserts for Steel Doors with cutouts

Note: inserts are factory installed in doors.

| Model No | Description |
|-------------|---|
| ACQRDIP | Single insert – polycarbonate, fits 27 & 45 RU |
| ACQRDIP40U | Single insert – polycarbonate, fits 40RU |
| ACQRDIM | Single insert – mesh, fits 27 & 45RU |
| ACQRDIM40U | Single insert – mesh, fits 40RU |
| ACQRDI4F | Single insert – 4 high speed fan unit, fits 27 & 45RU |
| ACQRDI4F40U | Single insert – 4 high speed fan unit, fits 40RU |



Accessories

Fans

The 4 unit fan kit installs into the roof plinth using a fan hamper kit. All fans are supplied with a 2m flex and 10A plug.

| Model No | Description |
|------------|---|
| ACQRT4F608 | Top hamper with 4 fans for 650 wide x 800 deep |
| ACQRT4F609 | Top hamper with 4 fans for 650 wide x 900 deep |
| ACQRT4F610 | Top hamper with 4 fans for 650 wide x 1000 deep |
| ACQRT4F612 | Top hamper with 4 fans for 650 wide x 1200 deep |
| ACQRT4F808 | Top hamper with 4 fans for 800 wide x 800 deep |
| ACQRT4F809 | Top hamper with 4 fans for 800 wide x 900 deep |
| ACQRT4F810 | Top hamper with 4 fans for 800 wide x 1000 deep |
| ACQRT4F812 | Top hamper with 4 fans for 800 wide x 1200 deep |
| ARTHERM | Thermostat Rail |



Door Sensor kit

The Door Sensor Kit consists of a pair of microswitches used to monitor the entry in & out of the Ausrack CQr cabinet.

| Model No | Description |
|----------|-----------------------------|
| ACQRDSK | Ausrack CQr door sensor kit |

Baying Kit

The baying kit is a secure method for joining 19" cabinets together and is approved by the SCEC. Cabinets bayed using this method retain their SCEC endorsement.

| Model No | Description |
|----------|------------------------|
| ARCQRBK | Ausrack CQr baying kit |

Brush Sets

Brush sets are used to seal the cable apertures in the equipment mounting rails. They control the airflow, and allow access for cabling.

| Model No | Description |
|-----------|----------------------------------|
| ACQRRBS06 | CQr rail brush set pair for 650W |
| ACQRRBS08 | CQr rail brush set pair for 800W |

Accessories

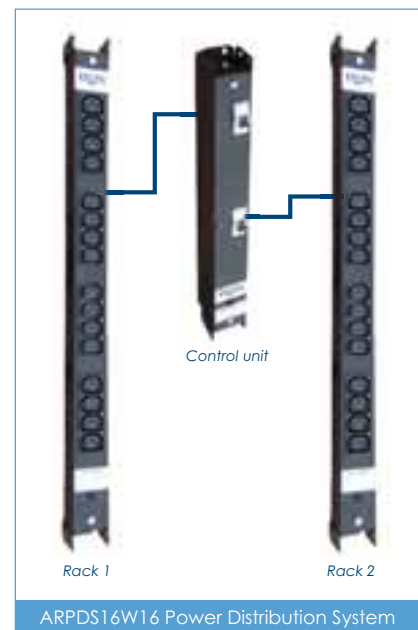
Power Rails

Power rails have overcurrent protection, a 2.5m length flex, and a 3 flat pin plug. The 15A models have a 3 flat pin plug with captive ring. Vertical power rails mount 0 RU in Ausrack Plus cabinets and frames.

| Model No | Description | Outlet No. | Outlet Style | Plug | Height (RU) |
|------------|-------------------------------|------------|--------------|------------------|-------------|
| ARPH5W10 | Power rail, horizontal | 5 | 10A GPO | 10A | 1 |
| ARPH5W15 | Power rail, horizontal | 5 | 10A GPO | 15A | 1 |
| ARPH10W10 | Power rail, horizontal | 10 | 10A GPO | 10A | 2 |
| ARPH10W15 | Power rail, horizontal | 10 | 10A GPO | 15A | 2 |
| ARPV5W10 | Power rail, vertical | 5 | 10A GPO | 10A | 10 |
| ARPV5W15 | Power rail, vertical | 5 | 10A GPO | 15A | 10 |
| ARPV10W10 | Power rail, vertical | 10 | 10A GPO | 10A | 16 |
| ARPV10W15 | Power rail, vertical | 10 | 10A GPO | 15A | 16 |
| ARPV20W10 | Power rail, vertical | 20 | 10A GPO | 10A | 28 |
| ARPV20W15 | Power rail, vertical | 20 | 10A GPO | 15A | 28 |
| ARPV10WI10 | Power rail, vertical, IEC-C13 | 10 | IEC320-C13 | 10A | 12 |
| ARPV10WI15 | Power rail, vertical, IEC-C13 | 10 | IEC320-C13 | 15A [#] | 12 |
| ARPV10WI20 | Power rail, vertical, IEC-C13 | 10 | IEC320-C13 | 20A [#] | 12 |
| ARPDS16W16 | Power distribution system* | 2 x 16 | IEC320-C13 | 32A [#] | - |

* Power Distribution system consists of a control unit, with 32A input captive plug and dual circuit breakers supplying 2 x 16 way IEC-C13 socket power rails, as illustrated to the right.

[#] Captive plug.



ARPDS16W16 Power Distribution System

Cable Trays

| Model No | Description |
|----------|------------------------------|
| ARC27U15 | Cable tray, 27RU, 150mm wide |
| ARC27U30 | Cable tray, 27RU, 300mm wide |
| ARC40U15 | Cable tray, 40RU, 150mm wide |
| ARC40U30 | Cable tray, 40RU, 300mm wide |
| ARC45U15 | Cable tray, 45RU, 150mm wide |
| ARC45U30 | Cable tray, 45RU, 300mm wide |



Accessories

19" Blanking Panels

Blanking panels are used to control airflow in the rack. They are manufactured from 1.2 mm zinc-coated steel and finished in a matt black powdercoat paint.

| Model No | Description | Height (RU) | Dimensions (mm) | |
|----------|----------------|-------------|-----------------|-------|
| | | | Height | Width |
| EBP1U | Blanking panel | 1 | 44 | 483 |
| EBP2U | Blanking panel | 2 | 88 | 483 |
| EBP3U | Blanking panel | 3 | 132 | 483 |
| EBP4U | Blanking panel | 4 | 177 | 483 |
| EBP5U | Blanking panel | 5 | 222 | 483 |
| EBP6U | Blanking panel | 6 | 266 | 483 |



Shelves

| Model No | Description | Depth (mm) | Load Rating (kg) | Height (RU) | Suitable for frames and cabinets |
|----------|----------------------------------|------------|------------------|-------------|----------------------------------|
| ARC210 | Cantilever shelf | 210 | 10 | 2 | All |
| ARC360 | Cantilever shelf | 360 | 10 | 2 | All |
| ARFL750 | Fixed shelf, light duty | 750 | 50 | 1 | 900 & 1000mm deep |
| ARFL950 | Fixed shelf, light duty | 950 | 50 | 1 | 1200mm deep |
| ARFH750 | Fixed shelf, heavy duty | 750 | 100 | 1 | 900 & 1000mm deep |
| ARFH950 | Fixed shelf, heavy duty | 950 | 100 | 1 | 1200mm deep |
| ARTF750 | Telescopic shelf, full extension | 750 | 20 | 1 | 900 & 1000mm deep |
| ARTF950 | Telescopic shelf, full extension | 950 | 20 | 1 | 1200mm deep |
| ARTH750 | Telescopic shelf, half extension | 750 | 40 | 1 | 900mm deep |
| ARTH950 | Telescopic shelf, half extension | 950 | 40 | 1 | 1200mm deep |
| ARKBC | Keyboard pivot tray* | - | - | 2 | All |

* Telescopic shelf required



General & Mounting Accessories

| Model No | Description |
|----------|---|
| ARCN | M6 Cage Nuts, Screws and Washers (pack of 50) |