Ausrack® Plus 19" rack cabinets are designed to comply with SSI specifications

The SSI specification is an expansion of the EIA-310-D standard set by the Electronic Industries Association. It is a voluntary specification signed on to by all the major server manufacturers, some of which include Dell®, HP® and IBM®. It defines rack dimensions to which they manufacture their equipment. The table and diagram on the following page outlines the compliance specification in detail and provides a representation of the Ausrack Plus.

19" Rack Specification

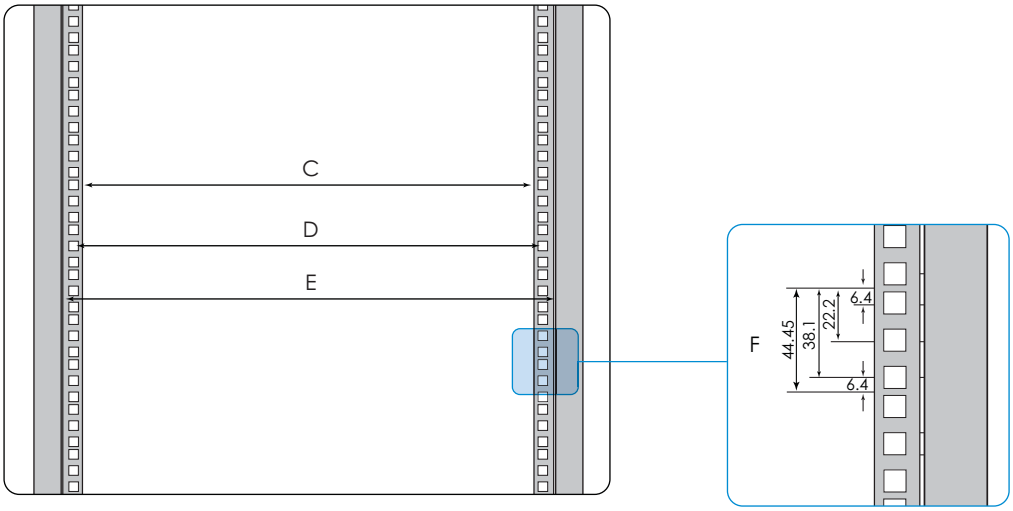
A rack's mounting fixture consists of two parallel metal strips (referred to as "rails") standing vertically. The rails are separated by a gap of 450mm (17.72inch) and are a minimum of 16.7mm (0.657inch) wide, giving an overall rack width of 482.6mm or 19inch, as the name suggests.

The rails have holes at regular intervals, with both rails matching, so that each hole is part of a horizontal pair with a centre to centre distance of 465mm (18.3inch). The holes are arranged vertically in repeating sets of three, with centre to centre separations of 12.7mm (0.5inch), 15.875mm (0.625inch) and 15.875mm. The hole pattern repeats every 44.45mm (1.75inch).

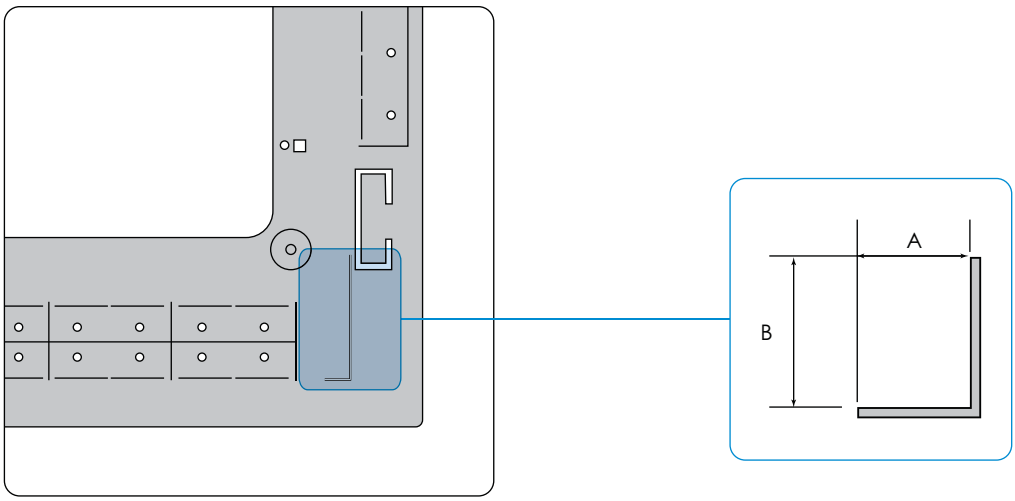
Racks are divided into regions that are 44.45mm in height. Within this region commonly referred to as an "RU" or "U", there are three complete hole pairs in a vertically symmetric pattern that are centred 6.4mm (0.25inch), 22.2mm (0.875inch) and 38.1mm (1.5inch) from the top or bottom of the RU.

Dimensional Specifications

Front View



Base View



Detail	Description	Specification (mm)	Ausrack Plus Server
A	EIA Keep Out Dimension	≥ 16.7	18.5
B	EIA Keep Out Dimension	≥ 50	>50
C	Front Cabinet Aperture	≥ 450	452
D	Hole-to-hole Spacing	465 +/- 1.6	465.8
E	Panel/ Bezel Aperture	≥ 483.4	493.5
F	RU Dimension	44.45	44.45
G	Mounting Hole Dimension	9.5 +/- 1.0	9.5
-	Rail Thickness	≥1.9	2.0

Ausrack Plus figures shown are typical

For further information on the SSI specifications visit www.eia.org/