

How to open the skylight in the cold aisle of the computer room



Overview

The cold aisle preset port is integrated with the fire protection of the computer room, and can automatically open the movable skylight according to the fire signal (switch signal) and meet the fire protection needs in the aisle. After the movable skylight is opened, the clear height of the cold aisle is greater than 2 meters or more, which does not affect the daily maintenance work. Each unit can be independently installed and connected to adjacent units, featuring. Cold Aisle Containment isolates the cooled supply air from the cooling units within direct proximity of the air intake of critical equipment. An enormous amount of energy is used every day to maintain an acceptable intake temperature to the IT equipment. It could optimize airflow and satisfy user function in order to provide a sealing space for cold aisle containment.



Article Content

Aug 23, 2025

Aisle Containment | Modular Cleanroom & Data Center Containment ...

Doors options are essential in aisle containment, providing controlled access while maintaining airtight separation of hot and cold airflows to optimize cooling efficiency.

Feb 25, 2026

Closed cold aisle containment

The preset port of the cold aisle is integrated with the overall fire protection system of the computer room. It can automatically open the movable skylight based on the fire signal (switch signal) and ...

Nov 15, 2025

Hot and cold aisle cooling containment

In most cases, the rack mount can be used within these aisle cooling containment solutions. Below are general guidelines for assessing the installation of a rack mount in a hot or cold aisle cooling ...

Jul 04, 2026

Elevate Aisle Containment Manual Reset Skylights

Available in 600mm and 800mm width variants, the skylight is designed to fit a 1200mm cold aisle corridor as standard. It also includes LED lighting for added visibility and safety, with 5mm thick ...

Jul 26, 2025

Data Center Hot/Cold Aisle Containment Systems | Eaton

The components are organized into modular kits and come with assembly hardware for easy step-by-step installation. Depending on your hot-aisle/cool-aisle needs, you can select from an assortment of ...

May 15, 2026

Cold Aisle Skylight

Designed by cold aisle function and structure, cold aisle skylight is a high seal, multifunctional skylight for data center cold aisle containment. It could optimize airflow and satisfy user function in order to ...

Oct 21, 2025

YPVALUE Micro Intelligent Integrated Data Center Cold Aisles Server ...

The cold aisle preset port is integrated with the fire protection of the computer room, and can automatically open the movable skylight according to the fire signal (switch signal) and...

Apr 10, 2026

Cold Aisle Containment | Suntec

Flip skylight design on roof ceiling, to be connected with fire protection through intelligent control box. The skylight will automatically flip, when fire signal received.

May 20, 2026

YPVALUE Micro Intelligent Integrated Data Center Cold ...

The cold aisle preset port is integrated with the fire protection of the computer room, and can automatically open the movable skylight according to the fire signal ...

Mar 08, 2026

Cold Aisle Containment in Data Centers | Subzero Engineering

Cold aisle containment systems use doors at aisle ends, ceiling panels or lids above racks, and structural frames to create enclosed zones where cold supply air flows directly to IT equipment intakes.

Aug 30, 2025

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The technical problem to be solved by the present invention is to provide a skylight assembly for the cold aisle of a data center computer room in order to overcome the defects of...

Contact Us

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