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## DOUBLE-SIDE INTEGRATED SECURITY LATCH

HP INC

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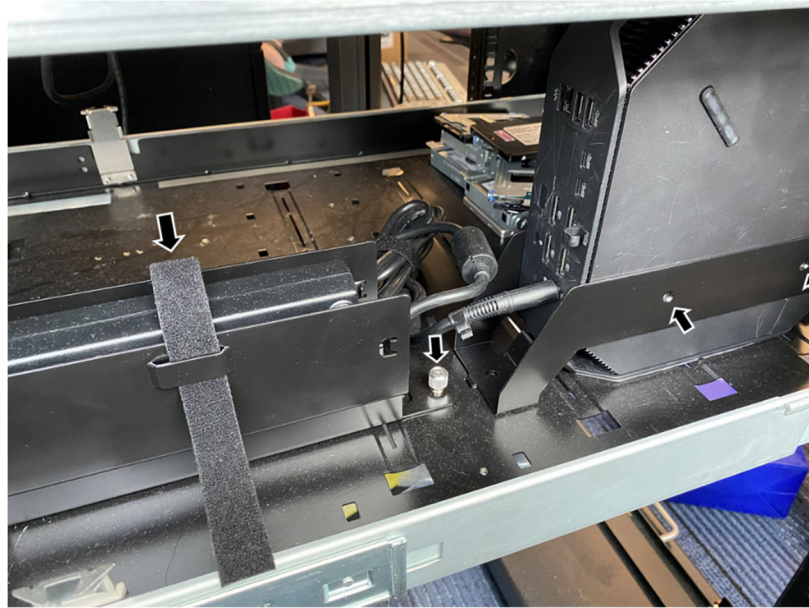
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# Double-Side Integrated Security Latch.

## 1. Problem(s) solved

Generally, mounting system to the rack requires additional accessories, such as Velcro strips, screw-on brackets, example as below, usually require tools and can only be accessed from above. Especially, it is difficult to operate when systems place on the topper layer (space constraints between the tray and ceiling).



Here providing a simple mechanism, to allow for quick and easy tool-free access to the system and rack.

## 2. Prior Solutions

Velcro strap, Single-Side Latch and Screws/brackets can only support access from above.

### Description

Combine top slider and bottom switch into an integrated security latch, allowing access to the system from the top and bottom. It is also a tool-less design to secure/release the system in one step (push).

## Rack Solution – System Unit Retention Options

### Previous Solution (only available for operating on top)

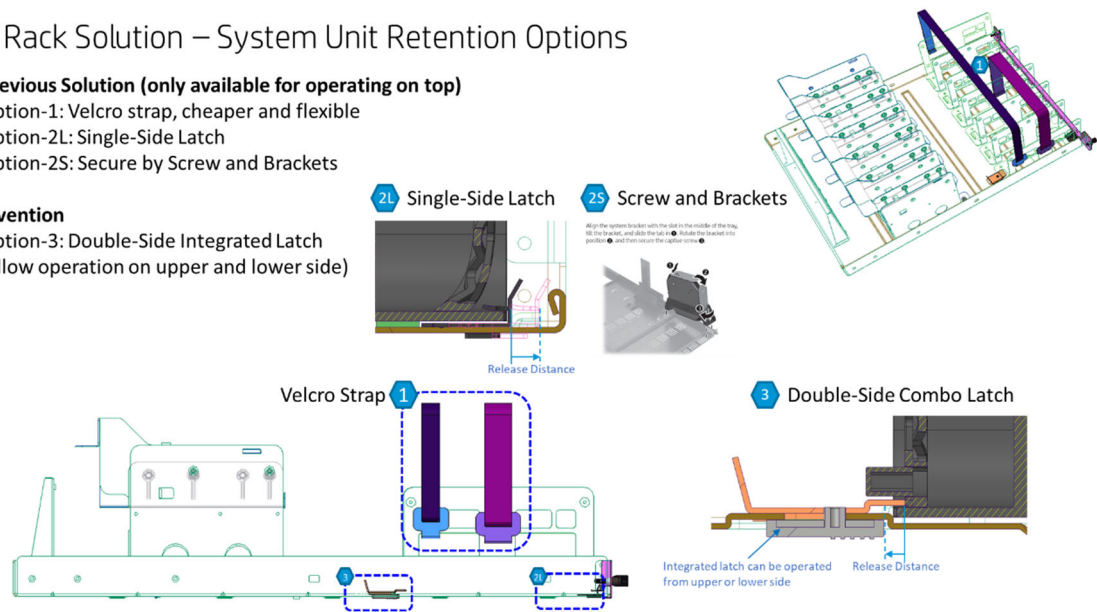
Option-1: Velcro strap, cheaper and flexible

Option-2L: Single-Side Latch

Option-2S: Secure by Screw and Brackets

### Invention

Option-3: Double-Side Integrated Latch  
(allow operation on upper and lower side)



Here comes the images from Rack Mount showing how to operate the top and bottom side security latches.



### 3. Advantages

To provide an easier way to operate the rack to install/uninstall system from the upper and lower layer of racks.

### 4. Title

Double-Side Integrated Security Latch.

## 5. Abstract

Providing a solution to able to operate security latch on above and below the tray.

The key advantage of this lean design is to provide an easier way to operate the rack to install/uninstall system from the upper and lower layer of racks.

The feature is already applied on new generation rack for securing Mini system.

*Disclosed by Frank Hwang, Rir Tso and Wayne Chen, HP Inc.*