Smart Containment



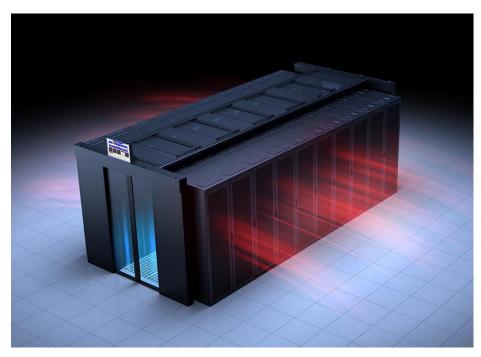


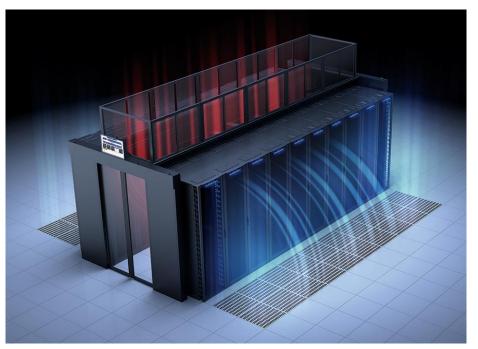
Smart Containment



Smart Containment

POS's Smart Containment system is a solution for cooling energy savings in data centers. It consists of automatic doors and top window system for fire protection and a gateway system for comprehensive management of racks in containment, providing operational convenience.



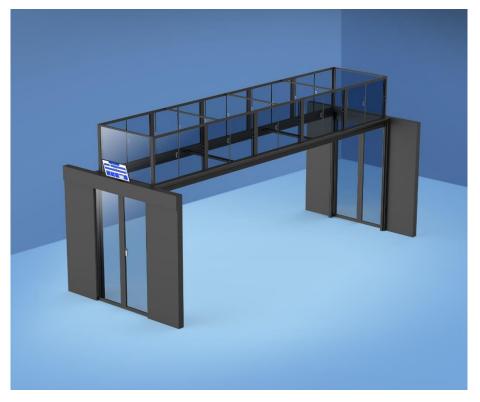


Cold Aisle + RACK

Hot Aisle + RACK

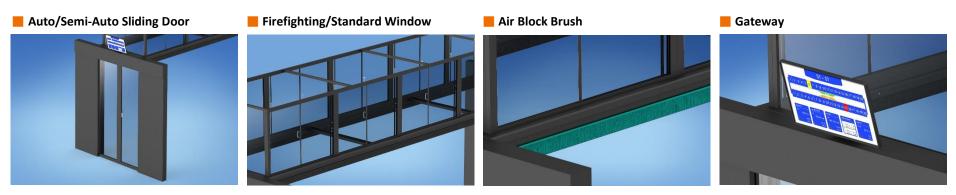
Smart Containment – Hot Aisle





Smart Containment - Hot Aisle

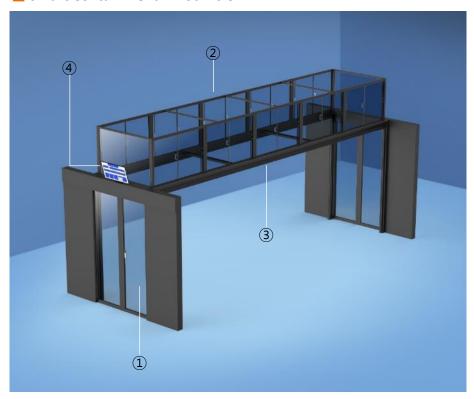
- Air inflow/outflow through the top of containment
- Automatic door connected to firefighting equipment.
 Automatic opening / closing
- Top windows connected to firefighting equipment.
 Automatic opening / closing
- Air Block Brush features are applied to block air outflow after rack installation.
- Comprehensive management and monitoring alarm via Gateway System provides preemptive protection and operational convenience.



Smart Containment – Hot Aisle



■ Smart Containment – Hot Aisle



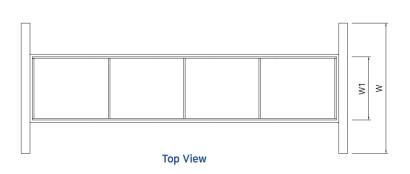


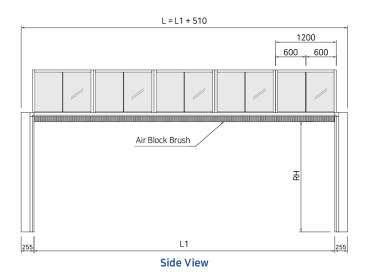
Features

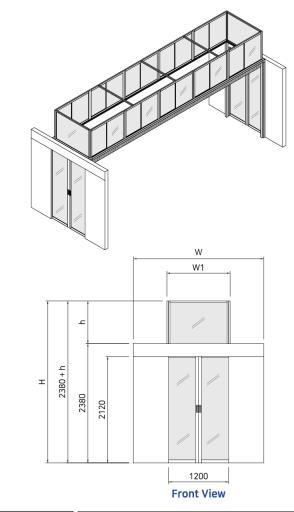
No.	Unit	Spec	No.	Unit	Function	
1	Auto / Semi-Auto Sliding Door	AL Frame + PC 5T Size : H2120 x W1200 mm (Door) H2380 x W2600 mm (Frame)	4	Gateway	Comprehensive management system for racks Rack : Max. 40Set PDU : Max. 160Set	
2	Firefighting / Standard Top Window	AL Frame + PC 5T Size : H800~1000 x W1260 mm			Network : Ethernet Protocol : SNMP,TCP-IP	
3	Air Block Brush	It blocks airflow and is made of flame -retardant material Size: H100~300 x W600~800 mm				

Smart Containment – Hot Aisle









■ SPECIFICATIONS ■						
L	L1	RH	W1	w	н	Remarks
12510	12000	2200				R20 x 2
10110	9600	2070 2000	1260	2600	2380 + h	R16 x 2
6510	6000		1860			R10 x 2



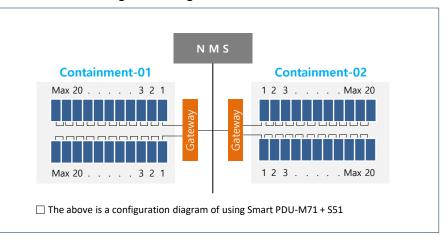
Smart Containment – Gateway Unit



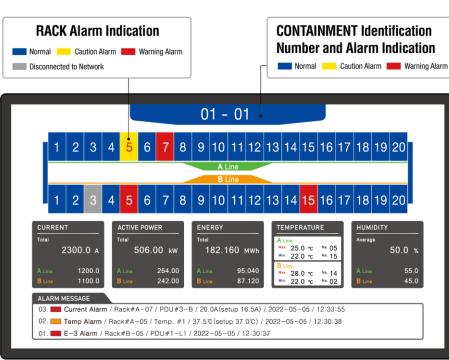
Gateway Unit is a solution that comprehensively manages the information of racks installed in Containment



■ Containment Configuration Diagram



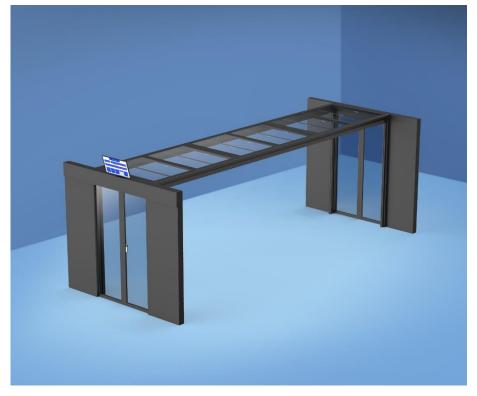




☐ Specification	
Rated Voltage	AC 100 ~ 250VAC
Network	Ethernet
Measurement and Notification	Voltage, Current, Power, Temperature and Humidity
Display	24" Monitor

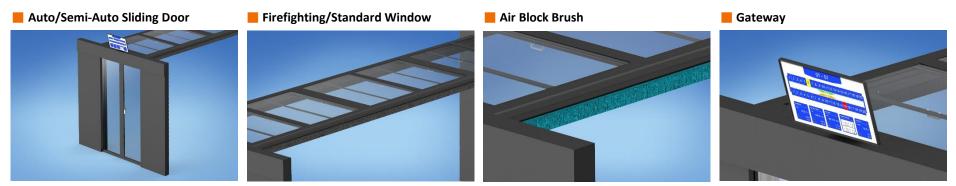
Smart Containment – Cold Aisle





Smart Containment - Cold Aisle

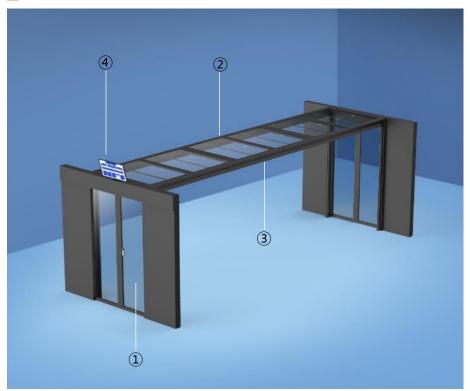
- Cold air inflow through the bottom of containment
- Automatic door connected to firefighting equipment.
 Automatic opening / closing
- Top windows connected to firefighting equipment.
 Automatic opening / closing
- Air Block Brush features are applied to block air outflow after rack installation.
- Comprehensive management and monitoring alarm via Gateway System provides preemptive protection and operational convenience.



Smart Containment – Cold Aisle



■ Smart Containment – Cold Aisle



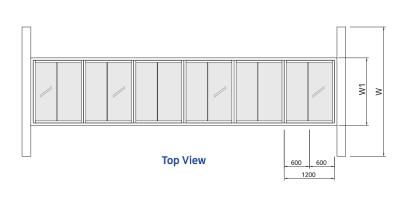


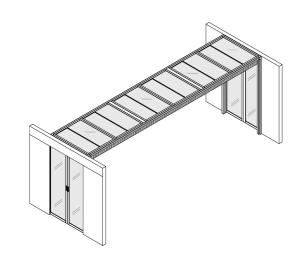
Features

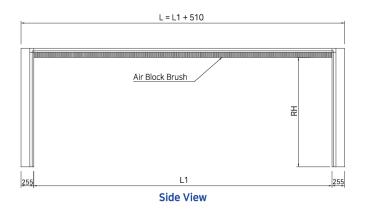
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3	Air Block Brush	It blocks airflow and is made of flame -retardant material Size: H100~300 x W600~800 mm				

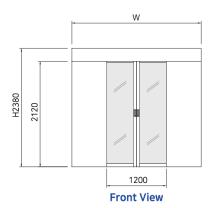
Smart Containment – Cold Aisle











■ SPECIFICATIONS ■							
L	L1	RH	W1	w	н	Remarks	
12510	12000	2200				R20 x 2	
10110	9600	2070 2000		1360	2600	2380	R16 x 2
6510	6000		000 1960			R10 x 2	



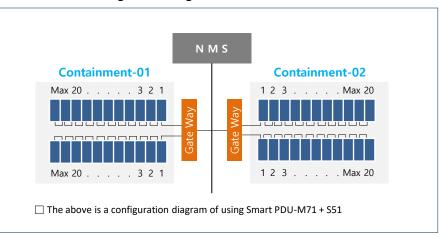
Smart Containment – Gateway Unit



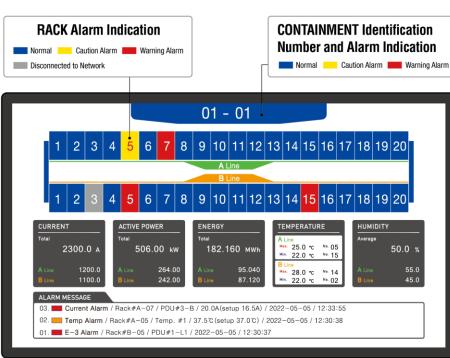
Gateway Unit is a solution that comprehensively manages the information of racks installed in Containment



■ Containment Configuration Diagram



Gateway Unit Screen Layout



☐ Specification	
Rated Voltage	AC 100 ~ 250VAC
Network	Ethernet
Measurement and Notification	Voltage, Current, Power, Temperature and Humidity
Display	24" Monitor

Smart Containment – Accessories (Optional)

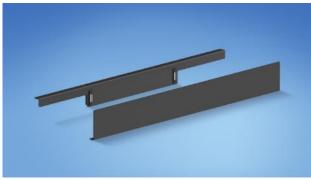


Accessories



Blank Slot Panel

- Used to block and fill in free space spared by certain causes, such as rack re-location within Containment
- Material : AL Frame + PC 5T(Transparent)



Rack Caster Cover

- · Used as Air Block with a rack on which caster is installed
- Magnetic Type easy to attach and detach



Rack Blank Panel

- Used for finish-touch of free space after installing equipment / easy to attach and detach without any tools.
- Material: ABS
- Color: Black
- · Spec.: 1U

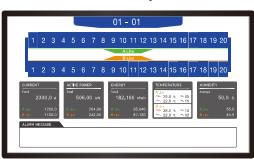
Smart Containment







Gateway



Blue: Normal



Yellow: Warring Alarm



Red: Critical Alarm



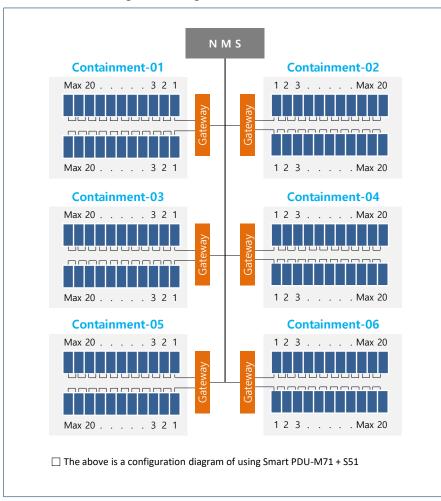


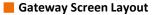
Smart RPC – Network / Containment Gateway

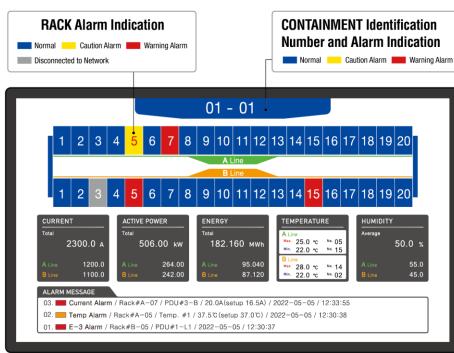


Gateway System is a solution that comprehensively manage the information of racks installed in Containment

■ Containment Configuration Diagram







☐ Specification	
Rated Voltage	AC 100 ~ 250VAC
Network	Ethernet
Measurement and Notification	Voltage, Current, Power, Temperature and Humidity
Display	24" Monitor





1. Smart RACK

RACK comes with a complimentary 2-year warranty period from the date of purchase.

2. Smart PDU

- RACK PDU has an error range of $\pm 3\%$ for voltage, current and temperature measurements and an error range of $\pm 5\%$ for humidity measurements. (Not recommended for precision measurement purposes)
- Operating RACK PDU beyond its rated load can pose a danger such as a fire hazard due to overload. The recommended safety load is 2/3 of the rated load, and when using redundancy, it is 1/3 of the rated load.
- When operating in enclosed areas or locations with multiple RACKs installed, ensure that the ambient temperature of RACK PDU does not exceed the safe operating temperature range of PDU, -5~ 40 °C.
- Do not operate PDU without PDU cover in place.
- Avoid working in hazardous situations or working alone when dealing with PDU.
- PDU comes with a complimentary 2-year warranty period from the date of purchase.

3. Smart Containment

Containment comes with a complimentary 2-year warranty period from the date of purchase.

4. Other Products

■ Other Products come with a complimentary 2-year warranty period from the date of purchase.



Innovative Technologies and Passion – The Philosophy of POS

Thank you





www.pos-rack.com