



Edge Micro Data Center

Specialized configuration customization

PT Series



Micro Data Center Application Industries

	IIoT & Edge Computing	Private Cloud & Hybrid Cloud	AI & Deep Learning
SMB & Office	✓	✓	✓
Telecom & ISP	✓	✓	✓
Banks & Financial	✓	✓	✓
Retail & Logistic	✓	✓	✓
Smart Manufacturing	✓	✓	✓
Military, Energy, Mining	✓	✓	✓
Medical, Education	✓	✓	✓

MUST Data Center Benefits

It's a plug and play, totally enclosed and fully integrated solution built in with rack, power & battery, cooling, monitoring and security systems.

Easy Deployment

Pre-manufactured and fully tested means that no on-site engineering needed to activate the product. Within one day, you can deploy the IT equipments and quickly power on your business.

Easy Management

Design once and deploy anywhere. By this standardized architecture and remote monitoring access platform, you can gain control of these critical assets, reduce risks and operational costs, and improving service levels.

Easy Expansion

A stand alone full function solution. You can plan and invest your IT assets step by step while your business grows. Buy small and scale to big. Invest only when necessary.

MUST Micro Data Centers



MUST Indoor Micro Data Center

Fully integrated with indoor type rack, UPS power, battery, cooling, monitoring, security, and fire systems.

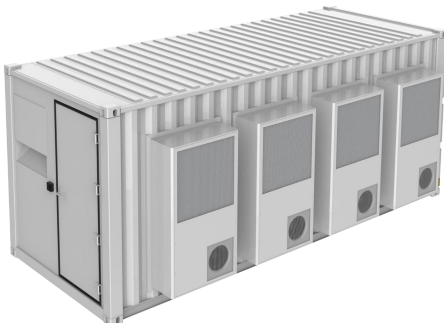
Available from half rack to multiple racks. Customization is acceptable.



MUST Outdoor Micro Data Center

Fully integrated with outdoor type cabinet, UPS/DC power, battery, cooling, monitoring, security, and fire systems.

Available with 2 cabinet and 3 cabinet all in one solution. Customization is acceptable.



MUST Container Micro Data Center

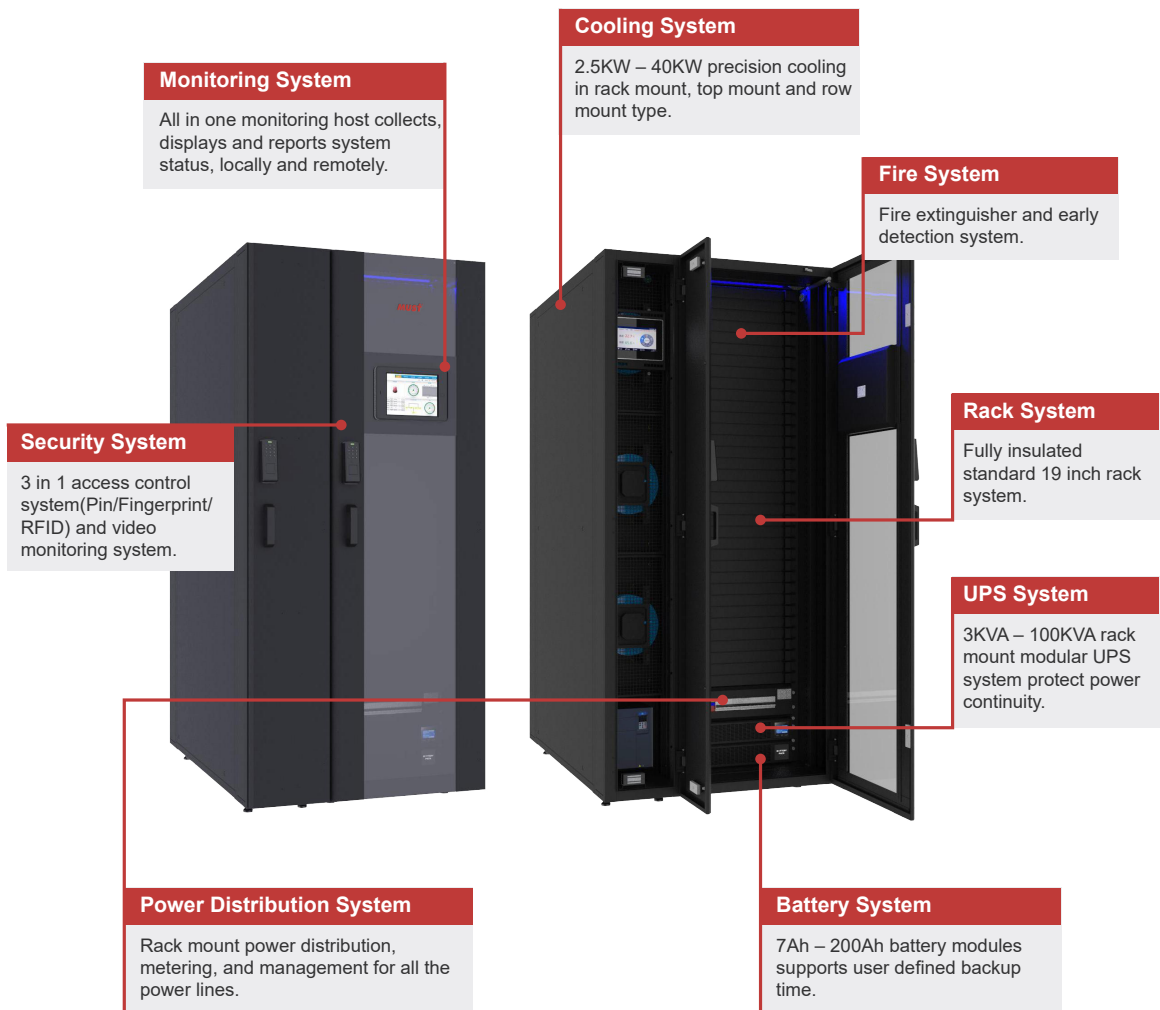
Fully integrated with ISO container, cabinet, UPS/DC power, battery, cooling, monitoring, security, and fire systems.

Available with 10f, 20f and 40f all in one solution. Customization is acceptable.

Indoor Micro Data Center

Introduction

MUST Micro Modular Data Center developed with multiple configurations that fit into diverse application scenario. The LEGO modules design platform supports deep customization to meet the specific requirements of real world projects.



Indoor Micro Data Center



MUST MDC with Packaged Cooling

3k – 6k MDC fully integrated with closed rack, cooling, UPS, battery, power distribution, security, monitoring and fire systems.

No complex piping of remote condenser installation.

Top mount packaged cooling system available with 2.5kW, 3.5kW and 5.5kW.



MUST MDC with Rack Cooling

6k – 20k MDC fully integrated with closed rack, cooling, UPS, battery, power distribution, security, monitoring and fire systems.

Modular rack cooling flexible for rack oriented MDC plan, expansion and deployment.

Rack mount split cooling system available with 3.9kW, 5.0kW, 7.2kW and 12.0kW.



MUST MDC with Row Cooling

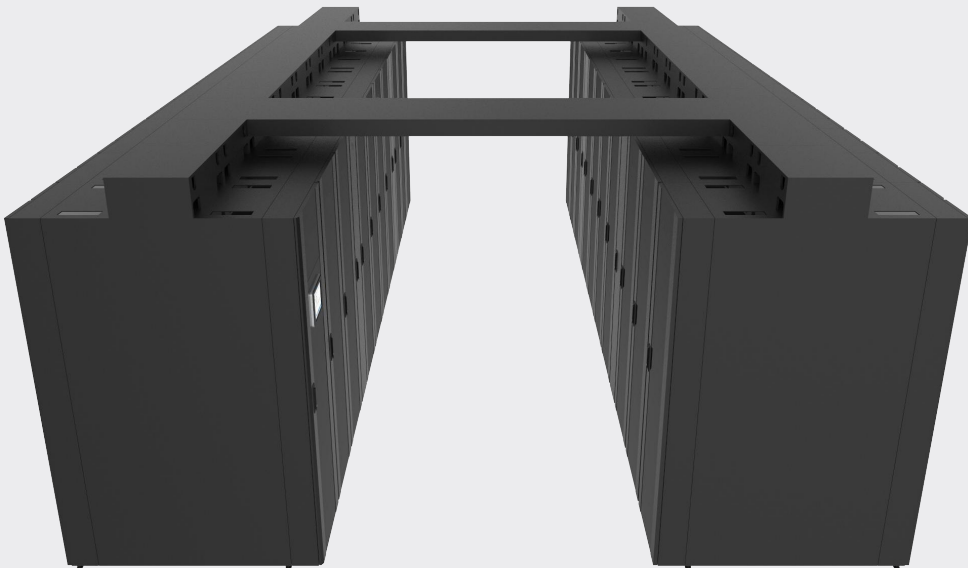
6k – 50k MDC fully integrated with closed rack, cooling, UPS, battery, power distribution, security, monitoring and fire systems.

Row cooling seamless integration with rack row and capacity expansion.

Row mount split cooling system available with 5.6kW, 7.6kW, 12.8kW, 17.6kW, 21.2kW and 40.9kW.

Expansion With Freedom

MUST Micro Data Center designed and engineered with seamless expansion compatibility, helps IT professionals smoothly plan, grow, and manage these future proof critical assets.



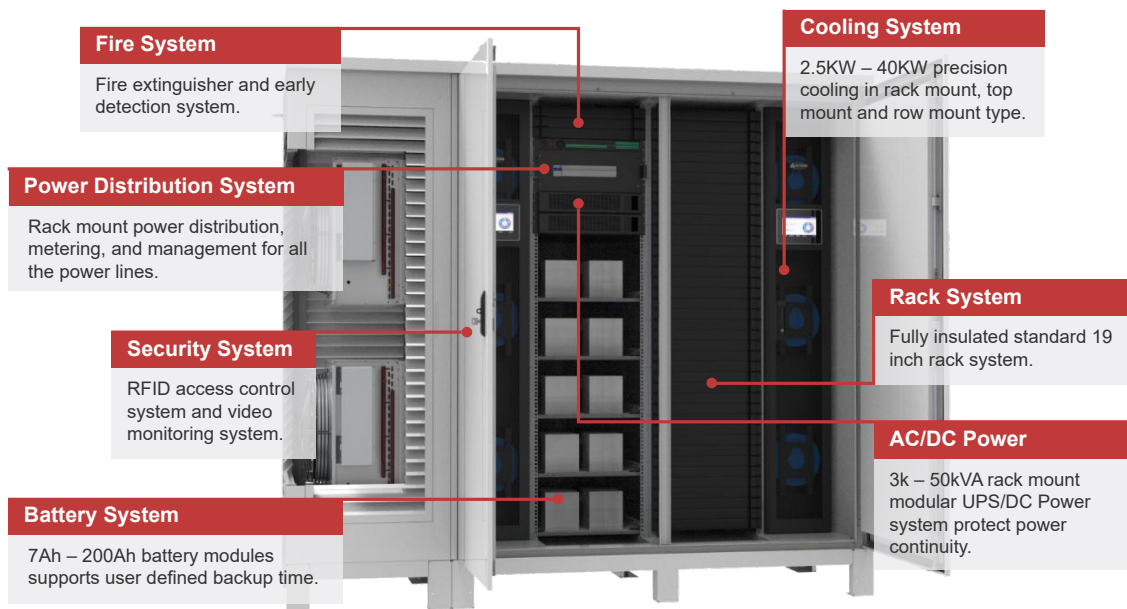
Technical Data

Model	PTM-0306A	PTM-0306B	PTM-0616A	PTM-0616B	PTM-0616C	PTM-1016A	Customized
Available Space -U	18	19	26	29	35	35	Per Definition
Redundancy	N	N	N	N	N	N	N/N+1/2N
Width -mm	600	600	600	600	900	900	600/800
Depth -mm	1100	1100	1100	1400	1400	1400	1000/1100/1200/1400
Height -mm	1200	1590	2000	2000	2000	2000	2600 Max.
Weight -kg	162	190	330	374	521	525	Per Situation
Input Power Type	230V/ 1P/2P/ 50-60Hz	230V/ 1P/2P/ 50-60Hz	230V/ 1P/2P/ 50-60Hz	230V/ 1P/2P/ 50-60Hz	230V/ 1P/2P/ 50-60Hz	230V/ 1P/2P/ 50-60Hz	Per Situation
Power Section							
UPS -KVA	3	3	6	6	6	10	3/6/10/20/30/50
Mount Type	Rack	Rack	Rack	Rack	Rack	Rack	Rack
Standard Battery	12V/9AH 6pcs	12V/9AH 6pcs	12V/9AH 16pcs	12V/9AH 16pcs	12V/9AH 16pcs	12V/9AH 16pcs	200Ah Max.
PDU	Basic 8Slots	Basic 8Slots	Basic 16Slots	Basic 16Slots	Basic 16Slots	Basic 16Slots	Basic/Smart
Cooling Section							
Cooling Type	Ventilation	Packaged DX	Packaged DX	Split DX	Split DX	Split DX	Packaged/Split
Mount Type	Top	Top	Top	Rack	Row	Row	Top/Rack/Row
Capacity-kW	2.0	2.5	3.5	3.9	5.6	7.6	40.9 Max.
Emergency Ventilation	√	√	√	√	√	√	√
Monitoring Section							
Monitoring Function	Touch Screen	Touch Screen	Touch Screen	Touch Screen	Touch Screen	Touch Screen	Touch Screen
	Temp.&Hum.	Temp.&Hum.	Temp.&Hum.	Temp.&Hum.	Temp.&Hum.	Temp.&Hum.	Temp.&Hum.
	UPS Mgmt.	UPS Mgmt.	UPS Mgmt.	UPS Mgmt.	UPS Mgmt.	UPS Mgmt.	UPS Mgmt.
	-	Cooling Mgmt.	Cooling Mgmt.	Cooling Mgmt.	Cooling Mgmt.	Cooling Mgmt.	Cooling Mgmt.
	Smoke Sensor	Smoke Sensor	Smoke Sensor	Smoke Sensor	Smoke Sensor	Smoke Sensor	Smoke Sensor
	-	Leaking Sensor	Leaking Sensor	Leaking Sensor	Leaking Sensor	Leaking Sensor	Leaking Sensor
	Door Status	Door Status	Door Status	Door Status	Door Status	Door Status	Door Status

Outdoor Micro Data Center

Introduction

MUST Micro Modular Data Center developed with multiple configurations that fit into diverse application scenario. The design platform with standardized modules and prefabricated size supports predicted deployment and quick customization.



MUST MDC with Rack Cooling

MDC fully integrated with 2 rack space, rack cooling, AC/DC power, battery, power distribution, security, monitoring and fire systems.

IP55 protection and thermal insulated for outdoor deployment.



MUST MDC with Inrow Cooling

MDC fully integrated with 2 rack space, inrow cooling, AC/DC power, battery, power distribution, security, monitoring and fire systems.

IP55 protection and thermal insulated for outdoor deployment.

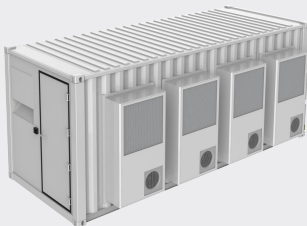
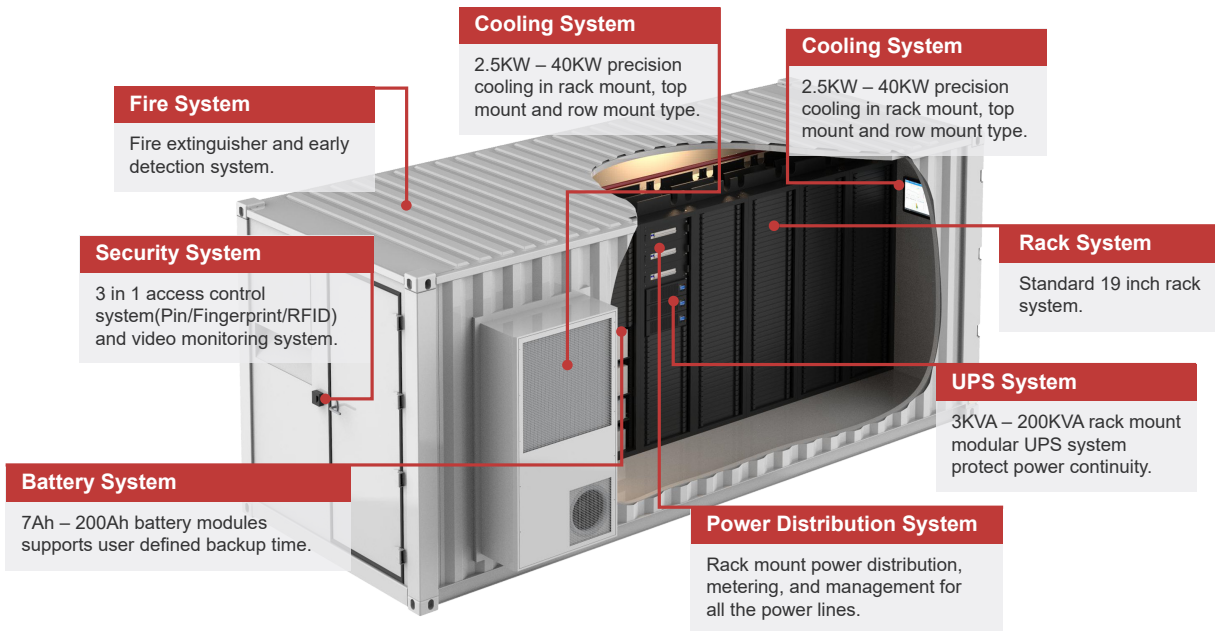
Technical Data

Model	PTW-0616A	PTW-0616B	PTW-1018A	Customized
Available Space -U	50	51	45	Per Definition
Redundancy	N+1	N+1	N+1	N/N+1/2N
Width -mm	2000	2600	2600	2000/2600
Depth -mm	1600	1600	1600	1400/1600/1800
Height -mm	2300	2300	2300	2600 Max.
Weight -kg	600	900	920	Per Situation
Input Power Type	230V/ 1P/2P/ 50-60Hz	230V/ 1P/2P/ 50-60Hz	230V/ 1P/2P/ 50-60Hz	Per Situation
Power Section				
UPS -KVA	6	6	10	3/6/10/20/30
Mount Type	Rack	Rack	Rack	Rack
Standard Battery	12V/38AH 16Pcs	12V/38AH 20Pcs	12V/65AH 18Pcs	7-200Ah
PDU	Basic 16Slots	Basic 16Slots	Basic 16Slots	Basic/Smart
Cooling Section				
Cooling Type	Split DX	Split DX	Split DX	Packaged/Split
Mount Type	Rack	Row	Row	Top/Rack/Row
Capacity-KW	3.9	5.6	7.6	40.9 Max.
Monitoring Section				
Monitoring Function	Touch Screen	Touch Screen	Touch Screen	Touch Screen
	Temp.&Hum.	Temp.&Hum.	Temp.&Hum.	Temp.&Hum.
	UPS Mgmt.	UPS Mgmt.	UPS Mgmt.	UPS Mgmt.
	Cooling Mgmt.	Cooling Mgmt.	Cooling Mgmt.	Cooling Mgmt.
	Smoke Sensor	Smoke Sensor	Smoke Sensor	Smoke Sensor
	Leaking Sensor	Leaking Sensor	Leaking Sensor	Leaking Sensor
	Door Status	Door Status	Door Status	Door Status

Container Micro Data Center

Introduction

MUST container type Micro Data Center designed and engineered with standard container size of all in one design helps IT professionals deploy data center quickly and easily.

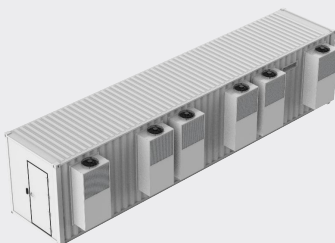


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20F Container Data Center

All in one 20F Container MDC fully integrated with standard rack, wall mount cooling, AC/DC power, battery, power distribution, security, monitoring and fire systems.

IP55 protection and thermal insulated for outdoor deployment.



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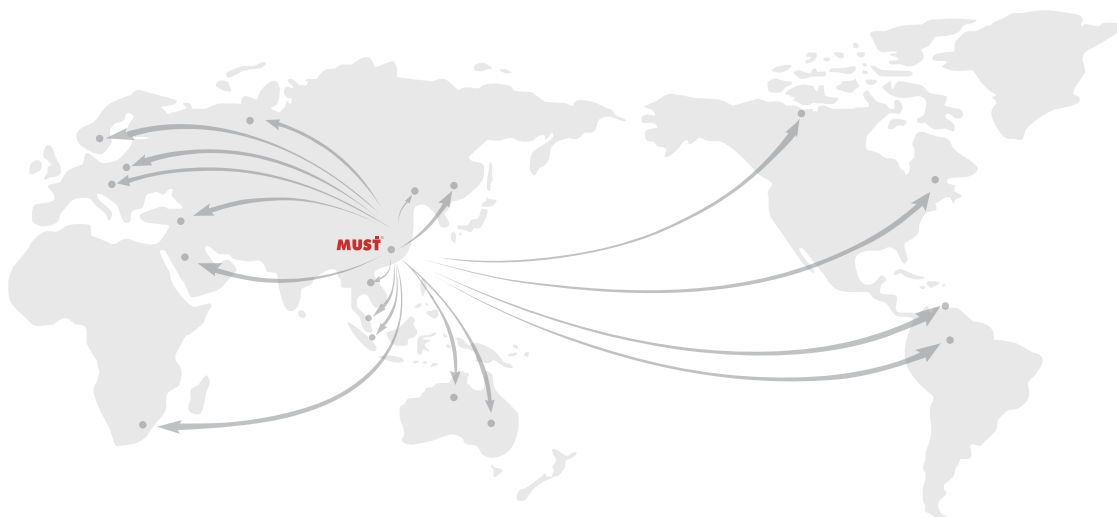
40F Container Data Center

All in one 40F Container MDC fully integrated with standard rack, wall mount cooling, AC/DC power, battery, power distribution, security, monitoring and fire systems.

IP55 protection and thermal insulated for global deployment.

Technical Data

Model	PTW-6036CT	PTW-10036CT	PTW-6036CW	PTW-10036CW	PTW-12572CF	PTW-20072CF	Customized
IT Rack Qty	6	5	6	5	16	15	Per Definition
Power Density -kW/ Rack	5	10	5	10	5	10	/
Redundancy	N+1	N+1	N+1	N+1	N+1	N+1	N/N+1/2N
Width -mm	2438	2438	2438	2438	2438	2438	2438
Length -mm			6058	6058	12192	12192	6058/12192
Height -mm	2896	2896	2896	2896	2896	2896	2896
Weight -kg	2220	2220	2220	2220	3970	3970	Per Situation
Input Power Type	380V/3P/50-60Hz	380V/3P/50-60Hz	380V/3P/50-60Hz	380V/3P/50-60Hz	380V/3P/50-60Hz	380V/3P/50-60Hz	Per Situation
Power Section							
UPS -KVA	20 * 3	25 * 4	20 * 3	25 * 4	25 * 5	50 * 4	60/80/100/120
Mount Type	Rack	Rack	Rack	Rack	Rack	Rack	Rack
Standard Battery	12V/100AH 36pcs	12V/150AH 36pcs	12V/100AH 36pcs	12V/150AH 36pcs	12V/100AH 72pcs	12V/150AH 72pcs	7-200Ah
PDU	Basic 16Slots	Basic 16Slots	Basic 16Slots	Basic 16Slots	Basic 16Slots	Basic 16Slots	Basic/Smart
Cooling Section							
Cooling Type	Packaged DX	Packaged DX	Packaged DX	Packaged DX	Packaged DX	Packaged DX	DX/CW
Mount Type	Wall	Wall	Wall	Wall	Wall	Wall	Row/Room/Wall
Capacity-kW	17.5 * 3	17.5 * 4	17.5 * 3	17.5 * 4	21.5 * 5	21.5 * 9	Per Situation
Monitoring Section							
Monitoring Function	Touch Screen	Touch Screen	Touch Screen	Touch Screen	Touch Screen	Touch Screen	Touch Screen
	Temp.&Hum.	Temp.&Hum.	Temp.&Hum.	Temp.&Hum.	Temp.&Hum.	Temp.&Hum.	Temp.&Hum.
	UPS Mgmt.	UPS Mgmt.	UPS Mgmt.	UPS Mgmt.	UPS Mgmt.	UPS Mgmt.	UPS Mgmt.
	Cooling Mgmt.	Cooling Mgmt.	Cooling Mgmt.	Cooling Mgmt.	Cooling Mgmt.	Cooling Mgmt.	Cooling Mgmt.
	Smoke Sensor	Smoke Sensor	Smoke Sensor	Smoke Sensor	Smoke Sensor	Smoke Sensor	Smoke Sensor
	Leaking Sensor	Leaking Sensor	Leaking Sensor	Leaking Sensor	Leaking Sensor	Leaking Sensor	Leaking Sensor
	Camera	Camera	Camera	Camera	Camera	Camera	Camera



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