

COMPACT DATACENTER®

**All-in-one solution
created specifically to power,
cool and protect valuable
electronic and telecommunication
assets.**

Features:

- Designed in two versions: **45U** and **33U**.
- Standard 19" Racks.
- Cabinet constructed with cold-rolled steel sheet and coated with electrostatic paint.
- Numerical access control on each door.
- Online UPS for electrical continuity.
- Rack-mount PDU.
- External side-mounted cooling system.
- Fire detection and suppression system with clean agent (ECARO-25).
- Integral monitoring system.
- Touch screen display located in the front door for centralized monitoring.
- IP video surveillance security system.
- Compliant with EIA-310-E and IP30.

Benefits:

- Ideal for small applications or remote sites.
- Designed to protect sensitive equipment in a secure cabinet.
- Ease of access to cabinet interior for equipment installation or maintenance (front and back doors).
- External side-mounted cooling system to optimize internal space and ease of maintenance.
- Remote monitoring.
- Small footprint.



33U
CABINET

45U
CABINET

COMPACT DATACENTER®



Compact Datacenter all-in-one solution created specifically to power, cool and protect valuable electronic and telecommunication assets located in small environments or remote sites.

This integrated solution guarantees reliability, electrical availability, and operational continuity for any business, no matter its size. The main chassis is designed to protect IT assets from the outside environment.

Compact Datacenter offers a 45U and 33U self-contained cabinets, compliant with EIA-310-E standard, 19" rack rails, with front and rear doors for easy access and maintenance.

The Compact Datacenter integrates:

ONLINE UPS:

Equipped with a rack-mount UPS for electrical protection and continuity. Compact Datacenter is designed in two versions:

- 3KVA UPS with 3 KW Air Conditioner.
- 6 KVA UPS with 5 KW Air Conditioner.

It is possible to include an additional UPS.

CABINET:

The cabinet is constructed with cold-rolled steel sheet and coated with high-strength electrostatic paint. It includes front and rear hermetic doors made of galvanized steel. The cabinet also has: double safety locks, front and rear doors equipped with access control system with numeric keypad and proximity cards, studs to allow perfect adjustment of equipment, grommets and lateral cable access.

PDU:

Rack-mounted PDU for an organized electric distribution. Option for a second PDU.

COOLING SYSTEM:

External side-mounted cooling system engineered for continuous operation, **24/7/365** controlling the temperature inside the cabinet through sensors. Four emergency fans powered by the UPS to extract heat in case of over temperature during power failure.

- 3KVA UPS with 3 KW Air Conditioner.
- 6 KVA UPS with 5 KW Air Conditioner.

FIRE DETECTION AND SUPPRESSION SYSTEM:

Includes control panel, two photoelectric detectors, manual release and abort switches, horn/strobe lights, suppression cylinder containing environmentally friendly clean agent, piping and discharge nozzles.

MONITORING SYSTEM:

Integral monitoring system for all the elements of the Compact Datacenter, which sends notifications via e-mail for remote administration.

TOUCH SCREEN DISPLAY

Centralized touch screen display located in the front door for local monitoring of UPS systems, air conditioner, PDU and ambient monitoring.

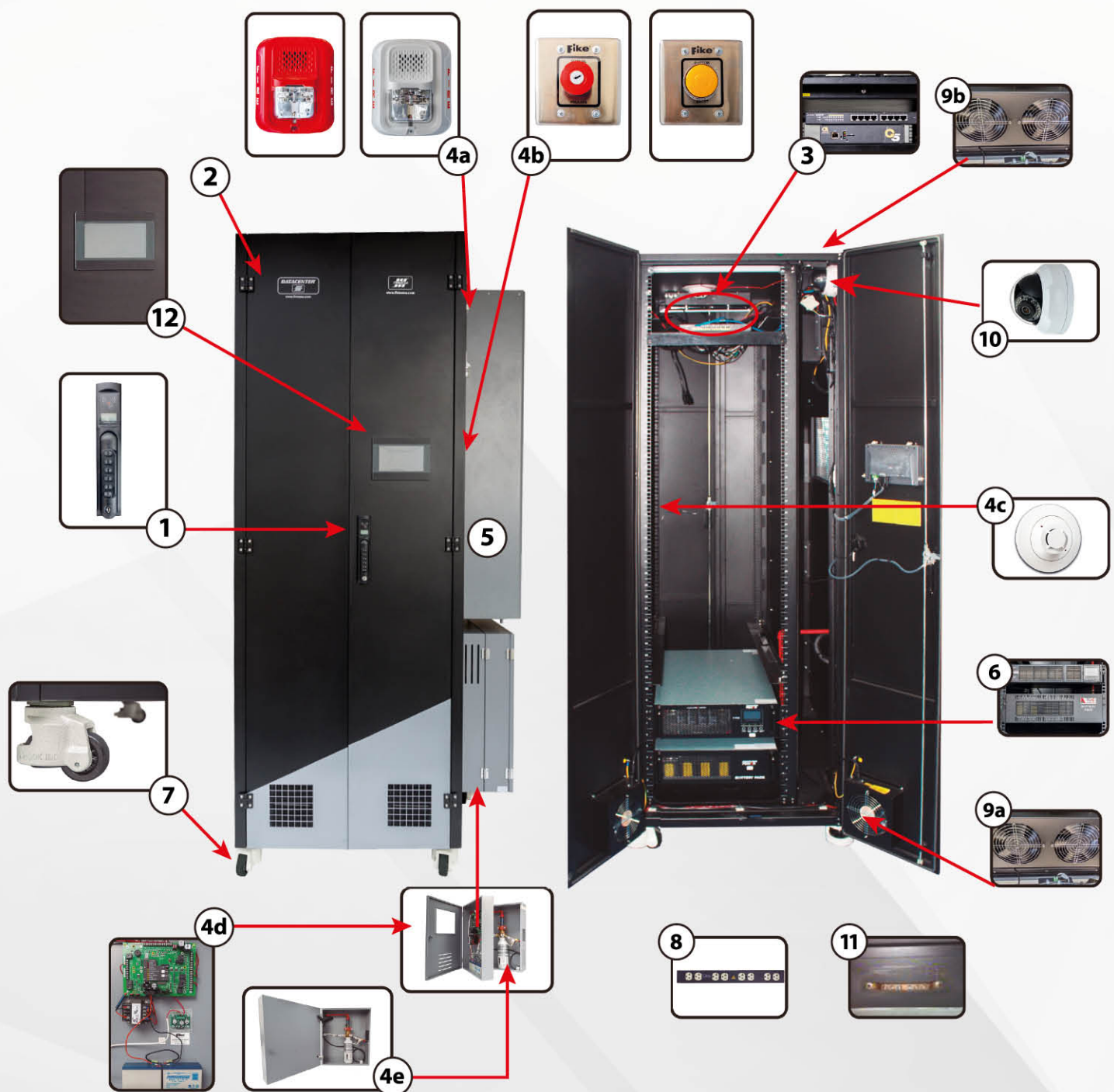
SECURITY SYSTEM:

IP video surveillance security system including one camera per door for physical control. (TOTAL: **2 cameras**).

INTERNATIONAL STANDARDS:

Compliant with EIA-310-E and IP30.

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|--|---|
| 1) Access control, one per door | 5) External side-mounted cooling system |
| 2) Hermetic doors (front and rear) | 6) UPS |
| 3) Monitoring remote system | 7) Wheels for easy movement |
| 4) Fire detection and suppression | 8) PDU |
| 4a) Horn/strobe lights with loud alarm | 9) 4 Back-up fans 9a) 2 In the front 9b) 2 In theback |
| 4b) Manual release and abort switches | 10) IP surveillance system, 2 dome camera |
| 4c) Photoelectric detector | 11) Ground bus |
| 4d) Fire control panel | 12) Centralized touch screen display |
| 4e) Cylinder with clean agent (ECARO-25) | |



MODEL	1	2
GENERAL CABINET		
Internal Space	33U	
Dimensions (WxDxH) (mm)	Fully Assembled: 1025 x 1200 x 1820 Main Cabinet: 800 x 1280 x 1800	Fully Assembled: 1100 x 1200 x 2280 Main Cabinet: 800 x 1200 x 2280
Cabinet Maximum Capacity (Kg)	1500 Kg	
Net Weight Fully Assembled (Kg)	410 Kg	
Structure	Cold-rolled steel sheet coated with high-strength electrostatic paint	
Hermetic Doors	2 (Front & Rear)	
Emergency fans	4 fans powered by the UPS	

PRECISION AIR CONDITIONER	Sy-G Model: PCLA3SL1PAT	Sy-G Model: PCLA5SL1PAT
Supply air scheme	L: Lower front discharge	
Total capacity KW [Btu/h]	3.06 [10,441]	
RefrigerantType	R134A	
Power source	208V, 1Ph, 60Hz	
Protection	IP55	
Working Temperature range	-5 ~50 °C	
Dimensions (D x W x H) (mm)	AIR CONDITIONER: 225 x 636 x 1,201	

UPS	Computer Power Model: VRN-3KVA	Computer Power Model: VRN-6KVA
Phase	Single-Phase	
Capacity	3000 VA / 2700 W	
Power Factor	0.9	
Input Nominal Voltage	80 - 150 VAC	
Input Power Factor	At Full Load > 0.99	
Input Frequency Range	40-70 Hz	
Output Voltage Range	110/115/120/127 VAC ± 1 %	
Waveform	Pure Sinewave	
Efficiency (AC Mode)	91%	
Batteries	6 x 12V / 10Ah	
Back Up Time: Pf=0.9: 100% / 75% / 50% load:	5 / 7 / 13	
Dimensions (DxWxH) (mm)	UPS: 630 x 438 X 88 [2U]	
Net Weight (Kg)	28	

FIRE DETECTION & SUPPRESSION SYSTEM	
Control Panel	Fike: SHP-Pro
Sensors	2 Photoelectric detector
Nozzle	1 ; 180 degree
Suppression Type	Clean Agent Ecaro 25 (HFC-125)

MONITORING SYSTEM	
Type of unit	Rack-mount 19"
Controlled Devices	UPS systems, air conditioner, fans, door open/close, environment control, operating devices via dry contacts, IT devices
Network Protocols	TCP/IP, HTTP, SNMP, Modbus, SMTP, TELNET, SMS, UAP/IP
Ethernet & Connectivity	10/100 Base, RJ45 - LAN / WAN (GSM Optional)
Advanced user interface	Email
Alarm notification	Email & SMS
Dry contacts alarms	Input/Output Volt-free contacts

SECURITY SYSTEM	
Access Control-General	2 one per door
Access Control-Keyboard	Numeric, four-digit code. It can save up to 2000 passwords
Electronic card	13.56MHZ mifa card
IP Video Surveillance	2 Fixed Indoor Dome Cameras
Functionality	Day and night with IR LED
Ethernet Port	1, Ethernet (10/100 base-1) RJ-45 CONECTOR
Security	IP Address filtering / https Encryption / Password protection user levels

STANDARDS	
Compliant	EIA-310-E, IP30

Compact Datacenter reserves the right to change or modify product design, construction, specifications, or materials without prior notice and without incurring any obligation to make such changes and modifications on Compact Datacenter products previously or subsequently sold. Product specifications are subject to change without further notice.