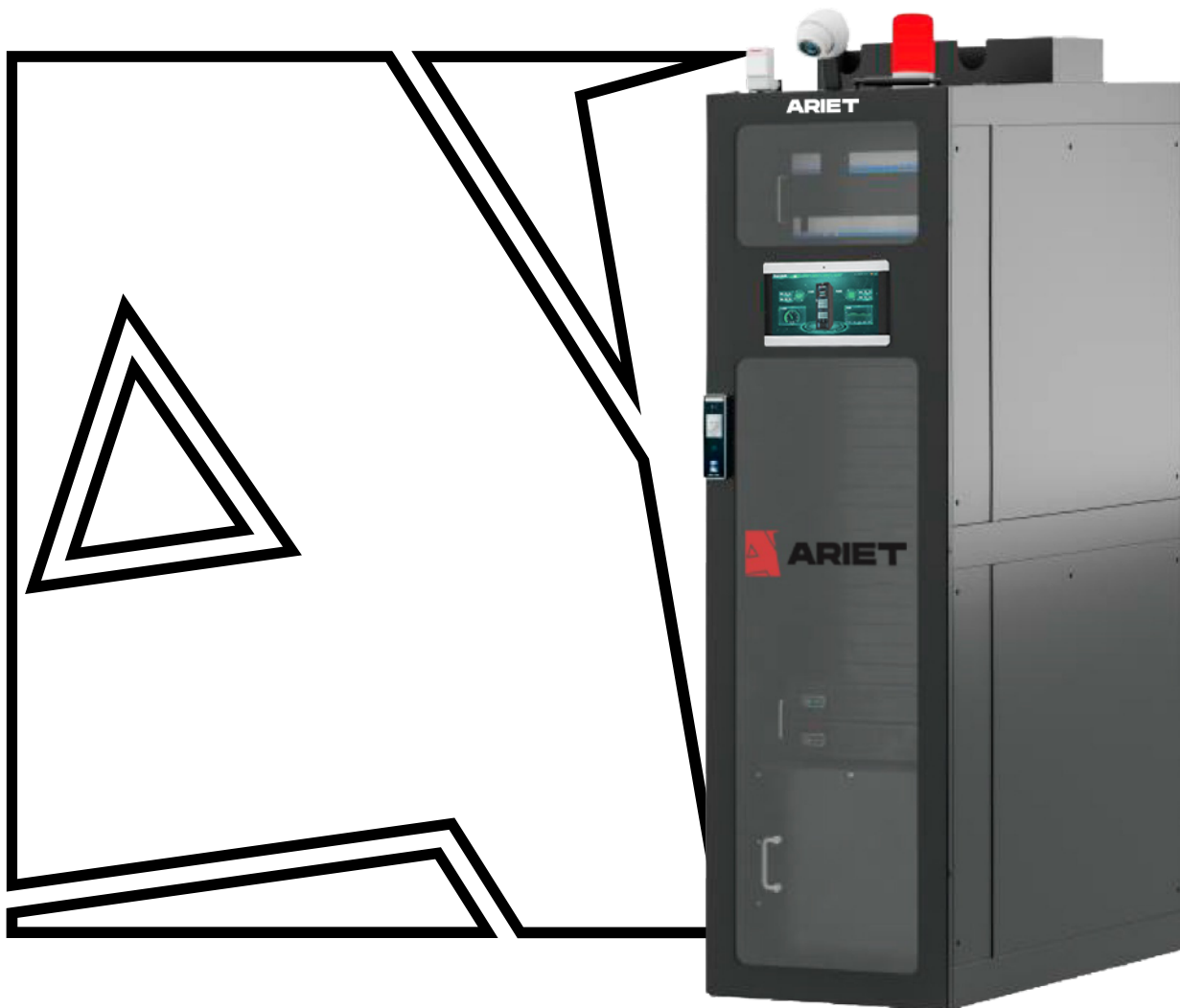




ARIET

AR50-M

Single Cabinet Data Center



**Data
Centers**



**Telecommunications
systems**



**Financial
systems**



**Industrial
enterprises**

Compact Data Center — an integrated solution in a standard 19-inch rack.

The system includes a UPS, precision cooling, environmental monitoring, access control, and lighting. Thanks to its factory-ready design and pre-configuration, on-site deployment takes minimal time.

The compact footprint saves valuable floor space, while the intuitive interface allows for efficient infrastructure management from anywhere in the world.



SCENARIOS

Server rooms of small and medium-sized enterprises (SMEs), as well as branch offices of large corporations and government organizations.

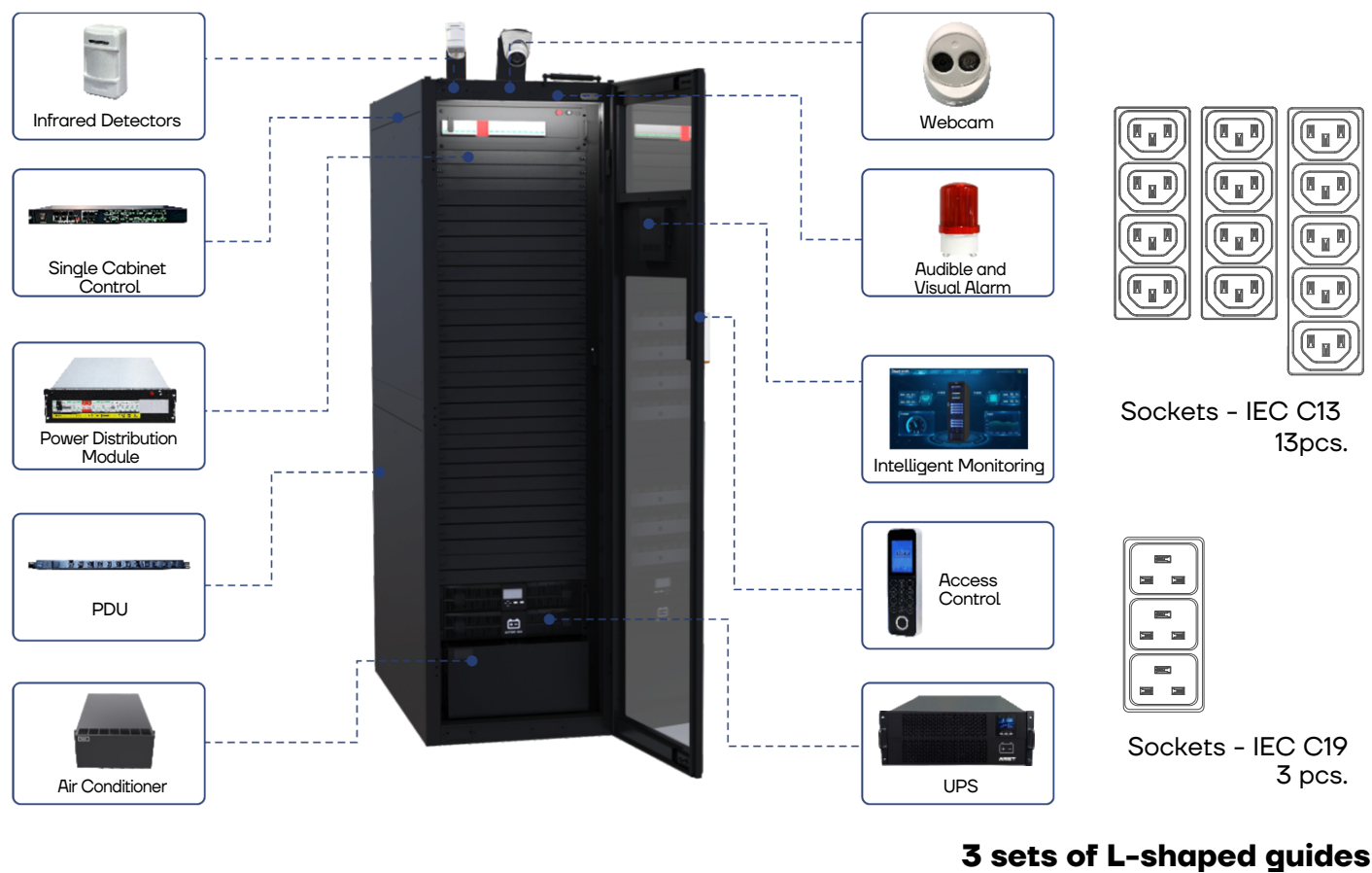
Financial services offices, telecommunications service centers, and base transceiver stations.

Gas stations, toll plazas, and smart buildings.

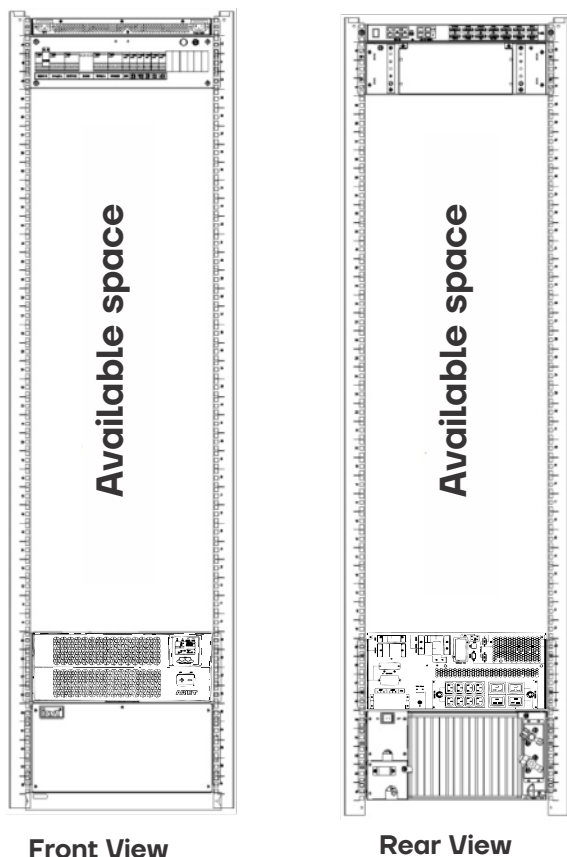
BENEFITS

Guaranteed quality — all system components are manufactured in strict accordance with domestic and international standards.	Multi-level control — operational safety and reliability are ensured by inspections at every stage, from installation to commissioning.
Versatility of application — the "all-in-one rack" design allows for efficient operation in challenging environments, including dusty and confined spaces.	Ready-made engineering solution — an integrated design and combined delivery eliminate errors associated with the self-design of complex systems.
Data protection against overheating — the automatic door opening system effectively prevents critical overheating, gaining time for backup.	Intelligent monitoring — the built-in smart control system guarantees stable and safe operation of the entire IT infrastructure in real time.
High energy efficiency — the combination of precision cooling and efficient power supply allows for an excellent PUE of 1.30.	Cost optimization — integration of all subsystems in a single enclosure saves floor space and reduces maintenance and remote management expenses.

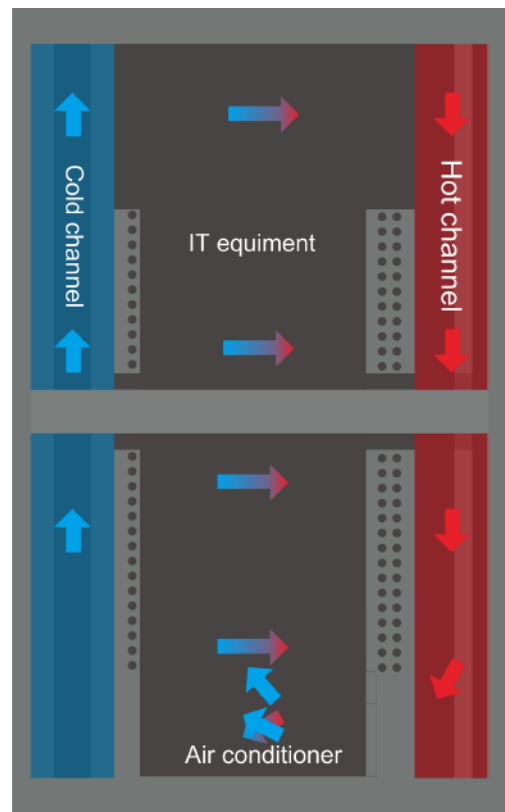
Structure and Composition



Product Layout Diagram



Airflow Reference Chart



Note: The layout can be adjusted according to the equipment layout.

Technical specifications

MODEL	AR50-M
IT rated power	3.5 kW
System	
Mains	220Vac,50Hz/60Hz
Ambient temperature	0-45 °C
Relative humidity	10-95%
IP Class	IP5X
Altitude	1000m, dereating for >1000m
Cabinet	
Dimension (W *D*H), mm	600 * 1200 * 2000
Space occupation	42U
Display	10.1'' touch screen LCD
Lighting	Front and rear
Cable entry	Top and bottom
Access control system	Fingerprint +IC card + Password
Power Supply and Distribution System	
UPS	T6KRS SPEC UPS 6 kVA with RS485 interface
Battery	16 pcs./7 Ah, 220 VAC
PDU	Vertical, 2 pcs.
Distribution module	32A
Dimension	483*700*3U
Monitoring System	
Supervision system	Intelligent integrated monitoring host
Single cabinet	Single cabinet control module
Centralized Monitoring	smoke sensor*1
	Temperature&humidity sensor*1
	Water leakage sensor*1
	Webcam (optional)
	Infrared detector(optiona)
	SMS alarm (optiona)
Emergency Ventilation	Emergency pop-up door system
Cooling System	
Rated cooling capacity	3,5-7,5 kW
Rated air volume	700-1350m³/h