

# Pro-Smart Series

## MICRO INTEGRATED DATA CENTER



### Product

Pro-Smart Series Micro-Integrated Data Center, ranging from 1kVA to 10kVA, integrated with 5 systems that include rack system, power distribution system, cooling system, monitoring system and gas fire extinguishing system, for single cabinet foot print space is only 0.72 square meter, it is a good choice for server room within 10-20 square meters.

#### RELIABLE AND SAFETY

- All parts follow international standard reliable quality of production.
- Pre-manufactured, pre-assembled, Pre-debugged, ensure the safety and reliability of product operation.
- Self-contained system of single cabinet, suit to all kind of complex condition (Dusty, Limited space, No air condition).
- Overall design, overall delivery, avoid design issue of system.
- Intelligent bullet door system retard channel over-temperature, allow time for data backup.
- Integrated intelligent monitoring ensure the safe and reliable operation of system.

#### INTELLIGENT MANAGEMENT

- The monitor system is open and expandable, friendly interface.
- Local, remote WEB access interface and SMS are supported. Circuitry to avoid fault tolerance.

#### ENERGY-EFFICIENT

- Closer refrigeration, efficient power supply, Single cabinet average PUE $\approx$  1.50.
- Power distribution, UPS, monitoring, refrigeration, multi-cabinet integration which save more space.
- No design and no wiring required, remote and unattended operation which will save TCO

#### APPLICATION

- Series governmental server room
- Financial and IT industry
- Commercial and tourist
- Gas station, tollgate, intelligent building Government office
- Educational and medical institution, energy and electric power industry
- Tobacco industry and military

#### SIMPLE AND CONVENIENT

- Distribution modular design, handy installation and maintenance
- Rack model internal air conditioner, easy maintenance
- No special decoration required, installation and debugging cycle only 3 hours
- Single cabinet system, expand to 2-3 cabinets is available.

Subsystem	Specification requirements		Specific parameters of each model		
			PS1103A	PS1106A	PS1110A
Rack System	Specification W*D*H) mm		600*1200*2000		
	Material		Front door is single open sealed glass door, rear door is double open seal stamping parts		
	Power source		220/230/240VAC,50Hz		
	Working temperature		0-40°C		
	Humidity range		5-95%		
	Net weight (Kg)		255		
	Noise (dB)		45		
Power Distribution System	INPUT Power Distribution Module (PDM)	Specification	Rack mounted, with status indicator		
		Main switch	40A-2P	80A-2P	100A-2P
		Surge protection	Grade C lightning protection		
		Height	3U		
	OUTPUT Power distribution Unit (PDU)	Specification	8por, IEC C13*7(10A) + IEC C19*1(16A),2PCS		
		Installation	Back Vertical mounted, 1U high		
	UPS	Capacity	3KVA/2.7KW	6KVA/6KW	10KVA/10KW
		Connect mode	single phase in, single phase out		
		PF	0.9	1	1
		Input voltage range	110~288VAC,176~288VACwith full load		
		Output voltage	208/220/230/240VAC		
		Height	2U		
	Battery pack	Battery type	12V 7AHX8 12V	7AH X16 12V	9AH X16
		Height	2U		
Cooling System	Specification		DC converter frequency compressor		
	Cooling capacity		3.7kW		
	Air outlet		Forward air supply, backward air return		
	Height		5U		
Monitoring System	Specification		7 inch touch screen + monitoring host		
	Monitoring contents		Air conditioning, UPS, power distribution, temperature and humidity, door status, smoke, leakage, access control		
	Extension function		Web access, report management, third-party platform access		
	Alarm method		Sound and light alarm, email alarm (standard) SMS alarm (optional)		
Options	Gas fire-extinguishing system		Fire extinguishing system inside cabinet (occupies 1U space)		
	Network video monitoring		2 megapixel webcam		
	Duct and accessories		Strong and weak electricity cable duct		
	Cabinet fittings		Cabinet load-bearing board, cabinet blind board (1U and 2U), cabinet load-bearing support frame (height can be customized).		