STULZ Micro DC

Reliable and efficient micro data center solutions with up to 100 kW per rack

Your data center in a rack

Digitization means that computing and storage capacities are needed in almost every area of business. The areas of application and requirements are almost unlimited, which is why the solutions must be flexible, scalable, and offer individual options. With specialists in the planning and construction of modular data centers and over 50 years of experience in the field of air conditioning for mission-critical applications, we are able to offer you a range of micro data centers using multiple cooling technologies, including liquid chip level cooling.

✚ Advantages at a glance

- Factory integrated and tested global standard design

- Maximum efficiency through high-quality components and a holistic design concept

- Configurable standard options: digital display, UPS, PDU, security, environmental monitoring, remote management, cooling options such as CW, DX, glycol economizer, liquid chip cooling

- "Plug & play" ease of installation

- 42U 19" standard rack available in widths of 600 mm and 800 mm

- Scalable and expandable as the IT load increases

- Remote monitoring and management

- Worldwide sales and service network

STULZ Micro DC product applications

The STULZ Micro DC is a server room in a rack and comprises all necessary infrastructure such as power, cooling, security, fire suppression, monitoring, and management. The unit will be integrated and tested before it leaves the STULZ factory and allows you to simply plug and play. As a result, there is no need to build small server rooms or wiring closets that can be costly and disruptive to your critical business.

| Edge computing | Server room optimization & consolidation | Retail & branch office | Finance | Health care | High performance computing (HPC) | Industry 4.0 |

STULZ Micro DC product range

STULZ Micro DC – P-Series
Prodigy™
Motor condensing cooling solution

STULZ Micro DC – C-Series
CyberRow™
Air-cooled condenser cooling solution

Options for increased reliability and individual requirements

The STULZ Micro DC can be configured with all the key design aspects of a data center, including critical power distribution, fire suppression, physical security and precision cooling. All configurations of the STULZ Micro DC include a 19" standard rack and cooling which can be easily equipped with accessories such as a UPS, PDU, local 7 inch LED screen for monitoring and control, etc.

Rack construction
Heavy duty steel construction with powder coat finish and optional protection rating IP54 and IP55.

+ Components

A variety of options and equipment versions are available to achieve the optimum result.

1 Cooling
Provides cooling directly to IT equipment while efficiently capturing its heat

2 UPS & batteries
Ensure clean power feed and continuity to critical IT infrastructure

3 Power distribution
Smart PDUs with environmental probe & temperature humidity sensor

4 Monitoring and security
7" Inch touchscreen display that provides easy access to information for power, thermal management, and security. (Remote monitoring)

5 Fire detection and suppression system
Fire monitoring and suppression

6 Access control and security
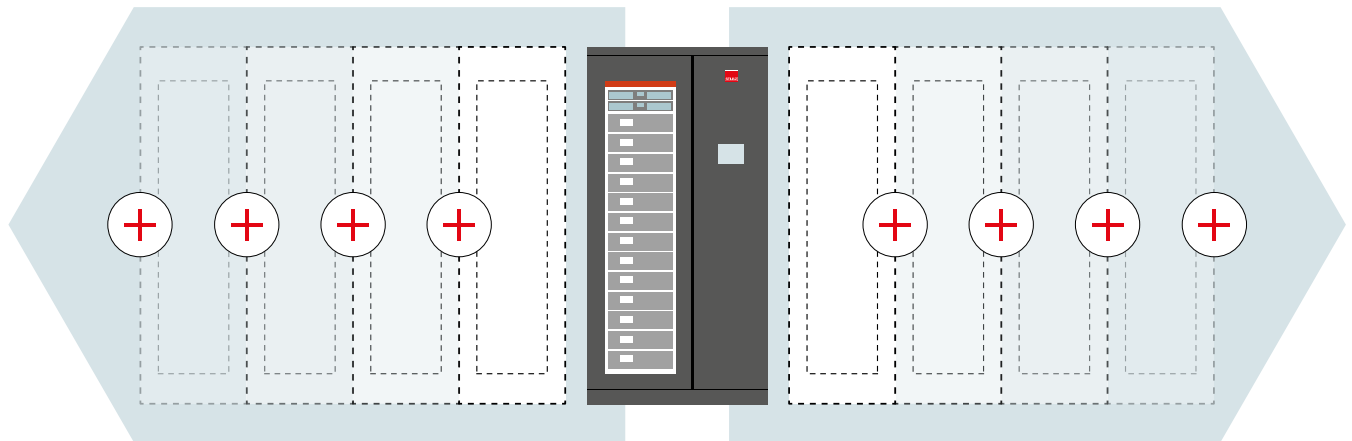Security access with integrated card reader

Any additional requirements?
Please contact: sales@stulz-modular.com

Scalable rack configuration

The STULZ Micro DC can grow from a single rack to a multi-rack configuration, scaling up to match future business growth, lowering your initial CapEx.

Technical Data

	P-series	P-Series	C-Series	C-series
	42U	42U	42U	42U
Enclosure Dimensions* H × W × D	2100 × 1000 × 1200 (mm) 600 mm wide IT enclosure 400 mm wide cooling enclosure	2100 × 1200 × 1200 (mm) 800 mm wide IT enclosure 400 mm wide cooling enclosure	2100 × 900 × 1200 (mm) 600 mm wide server enclosure 300 mm wide cooling unit	2100 × 1100 × 1200 (mm) 800 mm wide server enclosure 300 mm wide cooling unit
System Capacity	4 - 11 kW		4 - 20 kW	
Available rack unit space**	33U			
Power protection	UPS, rack mounted, capacity depends on IT load			
Rack power distribution	32A, 1P, metered		16A or 32A, 3P, metered	
PDU output sockets	0U, 32A, 230 V, (16) C13 & 4 (C19)		0U, 16A, 400 V, (36) C13 & 6 (C19) or 0U, 32A, 400 V, (30) C13 & 12 (C19)	
Cooling	Split DX (indoor unit pre-installed in rack)		Split DX	
Environmental monitoring	Web based, or built-in 7" touchscreen display			
Security	Standard mechanical lock or electronic cabinet access			
Sensors	Temperature/humidity, door contact, water leak detection			
Enclosure	IP20			
Fire detection and suppression	Optional			
Door	Glazed front door, steel rear door			

* IT enclosure and cooling enclosure/unit ships in two separate parts. Dimensions represent installed configuration
** Based on 5kVA UPS and battery configuration

CLOSE TO YOU AROUND THE WORLD

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