

SMDC – Single-rack

up to 10 kVA, internal or outdoor condenser



Beschreibung

The Smart Modular Data Centre (SMDC) is a scalable, pre-assembled, plug-and-play solution designed for edge computing and optimised for rapid deployment.

Each single-rack SMDC features a configurable power supply unit and a redundant cooling system, providing seamless scalability and technology upgrades with little additional cost or disruption.

This single-rack solution ensures a capacity of up to 10 kVA. It consists of a 42U rack, an integrated intelligent power distribution, an uninterruptible power supply (UPS) and a compact cooling system – either integrated up to 3.5 kW or with an in-row cooler and external condenser with a capacity of up to 12.5 kW.

It also includes a fire extinguishing system, air gap sealing and comprehensive software for infrastructure management.

Anwendung

The single-rack SMDC supports edge computing, operating smart facilities with IoT devices, remote or branch offices or serves as a floor distributor (FD).

Advanced applications include technologies such as AI, AR, VR and automation systems that require flexible, scalable and energy-efficient real-time data processing.

Mechanische Eigenschaften

Fronttür	mit 5 mm gehärtetem Doppelglas (gilt nicht für Reihenkühler)
Rücktür	aus massivem Stahlblech
Seitenwände	abnehmbar, mit Erdungsbolzen
Dachplatte	Kabeleinführung möglich
Bodenplatte	Kabeleinführung möglich
Befestigungsprofil	2 Paar 19-Zoll-Vertikalprofile (vorne / hinten)

Technische Eigenschaften

Notfall-Belüftung	Top of the rack and front door, extracting hot air from the rack in case of cooling failure
Stromverteilung	PDM6 input breaker, 63A/1P*1 (3 or 6 kVA) / PDM10 input breaker, 125A/3P*1 (10 kVA)
PDU	Intelligent power management
USV-Kapazität	up to 10 kVA
Verlängerung der Autonomiezeit der USV (optional)	10 to 15 minutes
Kühlung	in rack (up to 3.5 kW), in row (up to 12.5 kW)
DCIM	Real-time status monitor and control
Benutzeroberfläche	10.4" touch screen and remote web interface
Sensoren	Cooling system, UPS, power usage effectiveness (PUE), iPDU*, IT load, access control*, temperature, humidity and alarm status
Alarm und Benachrichtigung	Sound and light alarm with SMS and email notification
Zutrittskontrolle	Card or keypad
Brandbekämpfung	FM200-J / NOVEC 1230 rack mounted (2U)*

Versionen

Artikelnummer	Produkt	Äußere Abmessungen (HxBxT)	Kühlung Kapazität	Maximale USV-Kapazität [kVA]	IT load	Available space	Cooling / Condenser	Input power	Gewicht [kg]	GTIN / EAN
40014180ZY	SMDC 3kVA	42 HE, 2000 x 800 x 1400 mm	3,5	3	2.7 kW	24 - 27 U	Rack-mounted / internal	220 - 240 VAC, 1Ph+N+PE 50/60 Hz	480 kg	40393910220995
40014190ZY	SMDC 6kVA	42 HE, 2000 x 1100 x 1400 mm	5,5	6	5.4 kW	27 - 31 U	In-row / outdoor	220-240 VAC, 1Ph+N+PE 50/60 Hz	800 kg	40393910221008
40014630ZY	SMDC 10kVA	42 HE, 2000 x 1100 x 1400 mm	12,5	10	9 kW	24 - 27 U	In-row / outdoor	380 - 415 VAC, 3Ph+N+PE 50/60 Hz	800 kg	40393910221169

The Smart Modular Data Centre is a tailor-made and customised solution to fulfil the customers' specific needs and requirements.

*depending on your configuration

Technische Änderungen vorbehalten

Stand 2025-03-04 08:00:11