

## SMDC – Single-rack

up to 3 kVA



### Description

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

This single-rack solution ensures a capacity of up to 3 kVA. It consists of a 42U rack, integrated intelligent power distribution, a configurable uninterruptible power supply (UPS) and a compact integrated cooling unit up to 3.5 kW.

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

The equipment can be customised according to customer needs and requirements.

### Application

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.

### General properties

Outer dimensions (HxWxD)	42 U, 2000 mm x 800 mm x 1400 mm
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### Mechanical properties

Front door	with 5 mm toughened double glass
Rear door	made of solid sheet steel
Side panels	removable, with grounding bolt
Top panel	Cable entry possible
Bottom panel	Cable entry possible
Mounting profile	2 pairs of 19" vertical profiles (front / rear)

## Technical properties

Emergency ventilation	Top of the rack and front door, extracting hot air from the rack in case of cooling failure
Supported IT load (maximum)	2.7 kW
Input voltage	220 - 240 VAC
Power distribution module (PDM)	PDM6 input breaker
PDU	intelligent power management
UPS capacity	up to 3 kVA
UPS autonomy time extension	15 minutes
Cooling	rack mounted, internal condenser
Cooling capacity	3.5 kW
DCIM	Real-time status monitor and control
User interface	10.4" touch screen and remote web interface
Sensors	Cooling system, UPS, power usage effectiveness (PUE), iPDU*, IT load, access control*, temperature, humidity and alarm status
Alarm & notification	Sound and light alarm with SMS and email notification
Access control	Card and keypad

## Versions

Material number	Product	Colour	Available space	GTIN / EAN
41379800ZY	SMDC 3 kVA	black	24 - 27 U	40393910428148

\*depending on your configuration

Subject to technical modification

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