SMART MODULAR DATA CENTRE (SMDC) – 3 kW

Tailor-made and customised solution to fulfil your needs and requirements

Overview

Datwyler's Smart Modular Data Centre (SMDC) is a reliable, state-of-the-art, plug-and-play IT infrastructure solution that is perfect for edge computing. There are multiple ways to configure power and cooling redundancy to sustainably meet your demand, and deployment can be completed within a few hours. Our SMDC provides an ease of mind with simplified user interface on its 10.4" touchscreen and remote monitoring. It is enhanced to prevent downtime and reduce service disruptions.

Application

SMDC is designed to be future-proof. Complimentary with applications such as edge computing, computing node in remote and branch offices, floor distribution (FD) and smart facilities deploying IoT devices and running AI, AR, VR and automation.

Technical features

Intelligent Power Management

Cost Effective

High Load Bearing Cabinet

Access Control

In-Rack Cooling System

High Efficiency

Redundant PDUs

Remote Monitoring

Fire Suppression

Modularity

Power Metering

Plug and Play

Technical information

In-rack cooling system
Rack mounted cooling system that will keep the equipment at its optimum operating temperature

Environment monitoring system
Real-time status reporting

Smart access control
Smart access control is available with card, keypad or biometrics

Power distribution
Pre-wired power distribution panel with fault isolation to provide protection and rapid deployment

Modular rack UPS
Modular UPS power modules to deliver continuous conditioned power and protection to the IT equipment

Modular batteries
Modular and scalable batteries to provide autonomy during power failures and disruptions

Double glass
Double glass for higher cooling efficiency and noise reduction

Fire suppression
Rack mounted system to prevent fire hazard from spreading

Specifications

UPS capacity	Up to 6 kVA (2U)
Available space (U)	23U–25U
Dimensions (W x D x H) mm	600 / 800 x 1200 x 42U
Backup time	Recommended: 15 minutes, extended backup time available
Sensible cooling capacity	In-rack cooling, up to 3.5 kW (8U)
Input voltage, phase, frequency	220 / 230 / 240 VAC | 50 / 60Hz | 1Ph+N+PE (3U)
Power distribution module	63 A single-phase
Cable entry	Top / bottom access
Fire suppression	FM 200 / NOVEC 1230, optional rack mounted
Remote management	Cooling system, UPS, access control, iPDU, environment set point and alarm notification
Remote monitoring	Cooling system, UPS, power usage effectiveness (PUE), iPDU, IT load, access control, temperature, humidity and alarm status
User interface	10.4" touchscreen and remote web interface
Alarm	Sound and light alarm with SMS notification, optional feature

Complementary recommendations

Extended warranty	Increase the standard 3 year warranty to up to 5 years of warranty. Contact Datwyler sales representative for more information.
DatAim	DatAIM helps the operation and maintenance personnel to easily manage the complex network infrastructure and thus establish a more interconnected world with unobstructed information flow. Contact Datwyler sales representative for more information.
Smart Service Platform (SSP)	Fully managed IoT platform with a range of features that enable you to flexibly manage your connected devices via a centralised platform, giving you full control over your devices and gateways. Contact Datwyler sales representative for more information.

For more information:

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