



EMBRACE DIGITISATION

Our world is becoming increasingly digital, interlinked and intelligent. IoT, automation, 5G, robotics and artificial intelligence are opening up many new applications and business models.

To capitalise on the opportunities which come with digitalisation, your organisation must rely on a smart and strategic IT infrastructure.

The amount of data produced will continue to grow exponentially. These data volumes have to be processed close to their source (edge computing) due to, among other factors, efficiency and latency. A lot of mini and micro data centres are needed to do this.

We are a global player that helps organisations to stay at the forefront of progress, elevating their core business. While you focus on developing your business we take care of your IT infrastructure – with one-stop service solutions tailored to your needs.



WHY EDGE DATA CENTRES?

- . Low latency
- . Data processing just in time
- . Data aggregation
- **Network independent local operation**
- . Protection of critical data

CHARACTERISTICS OF AN EDGE DATA CENTRE

- . Located in a strategic site close to the users and devices
- . Supports distributed data processing
- . Complete equipment in just one cabinet or in multiple racks
- . Reliable self-contained system
- . Provides optimal physical & cyber security
- . Offers high-performance internet connection
- . Remote monitoring of infrastructure
- . Can work independently from the Cloud





Datwyler Micro Data Centre with in-rack cooling

Datwyler Mini Data Centre up to 8 racks, with in-row cooling

TYPICAL INDUSTRY APPLICATIONS

A rapidly maturing market:

- . Retail
- . Entertainment
- . Healthcare
- . Banking
- . Education
- . Logistics
- . Government
- . many others





















Ease of use

- . Pre-configured for various operational scenarios, therefore fast ordering
- . "Plug-and-play" solution
- . Rapid deployment
- . Touch-screen and user-friendly software

High reliability

- . Quality of each MDC is tested prior to delivery
- . The environment and security monitoring system protects the equipment
- . All data is managed and stored redundantly on local storage media as well as in the Cloud
- . Can be monitored anywhere and anytime
- . Proactive alarm notification via email and/or SMS

Low TCO (Total Cost of Ownership)

- . Real-time monitoring of the UPS and cooling unit helps to save energy
- . Integrated cooling ensures high power usage effectiveness (PUE)
- . Small footprint and fast deployment
- . Constant monitoring reduces downtime caused by failure

Fast maintenance

- . Key components are of modular design
- . UPS with maintenance bypass
- . Remote management of all the equipment in the rack(s) allows authorised personnel to be alerted so that faults can be rectified before they have serious consequences

DATWYLER
MICRO & MINI
DATA CENTRES
MAKE YOUR
LIFE EASIER

DATWYLER MICRO DATA CENTRE

In a compact 42U rack Datwyler's Micro Data Centre contains a fully preassembled plug-and-play IT infrastructure solution; including a power distribution unit, UPS, cooling system, fire suppression system (optional), air gap sealing and environment monitoring system. It can be deployed within a few hours. The infrastructure can be customised according to customer needs and requirements.

Datwyler's Micro Data Centre is designed for applications such as edge computing, computing node in remote and branch offices, floor distributor (FD) and "smart facilities" deploying IoT devices and running Artificial Intelligence (AI), Augmented Reality (AR), Virtual Reality (VR) and automation.



SPECIFICATION	MDC 100	MDC 200	MDC 300
Height Units	42	42	42
Available space (U)	42	38	30
Dimensions (H x W x D)	2200 x 800 x 800 mm	2200 x 800 x 1100 mm	2200 x 800 x 1100 mm
Doors	Closed (glass front and metal back)	Perforated	Closed (glass front and metal back)
Access control	Electronic	Electronic	Electronic
UPS capacity	-	up to 3 kVA	up to 3 kVA
Back-up time	-	15/30 min @ 50% charge	15/30 min @ 50% charge
Cooling capacity	-	-	3.6 kW
User interface	Touch screen, web browser	Touch screen, web browser	Touch screen, web browser
Monitoring	Temperature and humidity, smoke, iPDU, door status	Temperature and humidity, smoke, iPDU, door status, UPS and batteries, alarm status	Temperature and humidity, smoke, iPDU, door status, UPS and batteries, alarm status, cooling, leakage
Alarm	Sound/light alarm, email notification	Sound/light alarm, email notification	Sound/light alarm, email notification
Options	Camera, cabling, ventilation fans, SMS alarm notification, fire extinction system	Camera, cabling, ventilation fans, SMS alarm notification	Camera, cabling, ventilation fans, SMS alarm notification, fire extinction system

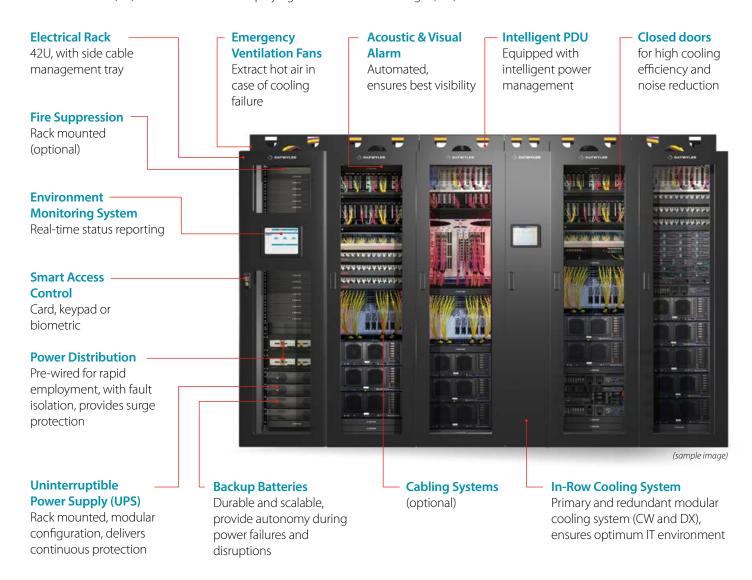
VERSIONS

The Datwyler Micro Data Centre is tailor-made and customised solution to fulfil the customers' specific needs and requirements.

DATWYLER MINI DATA CENTRE

Datwyler's modular Mini Data Centre is a state-of-the-art, pre-assembled plug-and-play IT infrastructure solution. It consists of a 42U rack with integrated power distribution, uninterruptible power supply (UPS), fire suppression system (optional), air gap sealing and environment monitoring system, as well as additional IT equipment racks and an in-row cooling system. It can be deployed within a few hours. It provides multiple ways to configure power and cooling redundancy to meet the current demand while being ready for future technology migration at low cost and with less disruption.

Datwyler's modular Mini Data Centre is designed for applications such as edge computing, small data centre, building distributor (BD), floor distributor (FD) and "smart facilities" deploying IoT devices and running AI, AR, VR and automation.



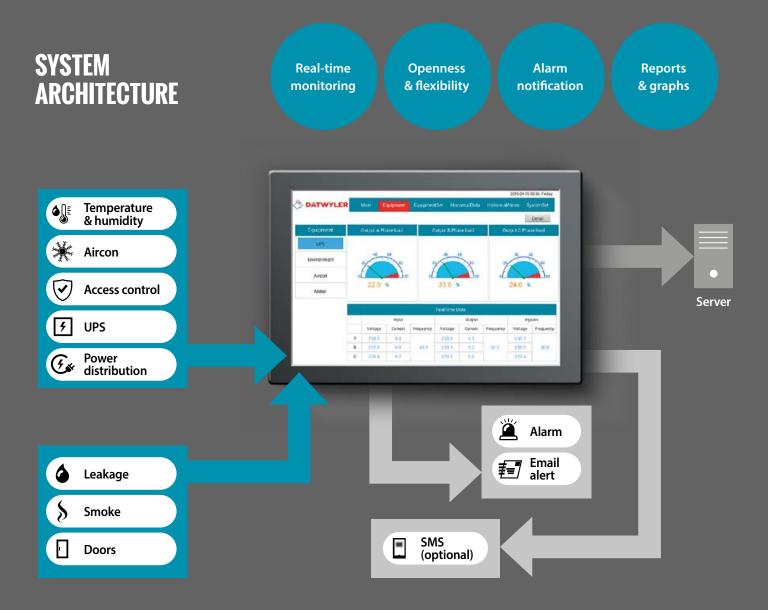
SPECIFICATION			
IT load	up to 72 kW	Remote management	Cooling system, UPS, access control, iPDU,
UPS capacity	up to 80 kVA		environment setpoint and alarm notification
IT racks	up to 8 (static load 1300 kg / rack)	Remote monitoring	Cooling system, UPS, access control, iPDU, power usage effectiveness (PUE), IT load, temperature, humidity and alarm status
Backup time	up to 15 mins.		
Sensible cooling capacity	up to 75.3 kW (CW or DX)		
Dimensions (W x D x H)	(1500 - 6900) x 1400 x 2000 mm		
Mounting	Direct on floor or on raised floor	User interface	10.4" touch screen and remote web interface
Cable entry	Top / bottom access	Alarm	Sound/light alarm, email notification
Emergency ventilation	Top of the rack and front door		

VERSIONS

The Datwyler Mini Data Centre is tailor-made and customised solution to fulfil the customers' specific needs and requirements.

DATWYLER DCIM FOR MINI AND MICRO DC

The Datwyler Data Centre Infrastructure Management solution features an innovative approach towards IT infrastructure management, taking into consideration the latest technological advancement in IoT, AI, IP communication, and other technologies. The platform allows the DCIM to integrate with a wide range of systems supporting the IT infrastructure. It provides real-time monitoring of environment conditions, access control and energy consumption, activates the alarm in case of an emergency and collects data for planning of preventative maintenance. It comes with a friendly and easy to use graphical user interface that simplifies the complexity and sophistication of the systems running behind.



HMI TOUCH SCREEN FEATURES

- . 10.4" flat multi-contact touch screen
- . Built-in Al/Dl/RS232/RS485 interfaces
- . Collects, processes, displays and uploads data
- . Reports temperature, energy consumption and controls cooling units
- . Compatible with a variety of environmental sensors and infrastructure equipment
- . USB interface for 3G wireless or WIFI support



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