

## Datwyler Micro Data Centre



### Description

The Datwyler Micro Data Centre (MDC) is a compact, fully preassembled plug-and-play IT infrastructure solution which contains in a 42U rack, among other things, an energy distribution unit, UPS, cooling unit, air gap sealing, an environment and security monitoring system as well as the associated sensors. It can be deployed within a few hours.

### Application

- Edge Computing
- Smart facilities deploying IoT devices and/or running Artificial Intelligence (AI), Augmented Reality (AR), Virtual Reality (VR), Automation, etc.
- As a computing node in remote and branch offices
- As a floor distributor

### Scope of delivery

- 42U rack with glass front/metal back door (MDC 100 / 300) or perforated doors (MDC 200)
- Smart access control (key, card, keypad or biometric)
- Pre-wired power distribution unit
- Intelligent PDU (iPDU)
- UPS: up to 3 kVA capacity, 15/30 min backup time @50% load (MDC 200 / 300)
- Backup batteries (MDC 200 / 300)
- In-Rack cooling system, 3.6 kW (MDC 300)
- Monitoring Server for: temperature/humidity, smoke, iPDU, door status (all); UPS, batteries and alarm status (MDC 200 / 300); cooling and leakage (MDC 300)
- Sensors
- User interfaces: touch screen, web browser
- Sound/light alarm and email notification
- Air gap sealing
- Optional:
  - Rack mounted fire suppression
  - Camera
  - Cabling
  - Emergency ventilation fans
  - SMS alarm notification

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

### Versions

Material number	Product	Colour	Doors	Monitoring	Cooling capacity	Maximum UPS Capacity	Weight [kg]
41841800ZY	MDC 300	black	Glass front / steel rear	Temperature, humidity, smoke, iPDU, door status, UPS, batteries, alarm status, cooling, leakage	3.6	3	320 kg
41841700ZY	MDC 200	black	Vented	Temperature, humidity, smoke, iPDU, door status, UPS, batteries, alarm status		3	320 kg
41841600ZY	MDC 100	black	Glass front / steel rear	Temperature, humidity, smoke, iPDU, door status			320 kg

More types and configurations available on request.

Subject to technical modification

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