



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 fulfill the customers' specific needs and requirements.

DIMENSIONS

H x W x D:

2200 x 800 x 800 mm (MDC 100)

2200 x 800 x 1100 mm (MDC 200, MDC 300)

VERSIONS

Article No.	Product	Doors	Monitoring	UPS capacity	Cooling capacity	Colour
41841800ZY	MDC 300	Glass front / steel rear	Temperature, humidity, smoke, iPDU, door status, UPS, batteries, alarm status, cooling, leakage	3 kVA	3.6 kW	black
41841700ZY	MDC 200	Vented	Temperature, humidity, smoke, iPDU, door status, UPS, batteries, alarm status	3 kVA	-	black
41841600ZY	MDC 100	Glass front / steel rear	Temperature, humidity, smoke, iPDU, door status	-	-	black

More types and configurations available on request.