

## Datwyler Micro Data Centre MDC 300

Active server rack, actively cooled



### Description

Datwyler Micro Data Centre is a compact, preassembled, plug-and-play, quick to deploy, fully monitored and managed, low maintenance onsite IT infrastructure solution. It is a standalone data centre that integrates the elements of cooling, power supply, monitoring and security into a single solution.

Unlike maintaining onsite data centres and server rooms which need extensive maintenance, planning, cost and space, the Datwyler Micro Data Centre is a compact solution that enables businesses to run applications on-premise or at the “Edge”.

### Application

Edge Computing

Smart IT 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

### Mechanical properties

Base frame	welded sheet steel frame
Front door	with tinted safety glass, swivel handle lock, 3-point locking, up to 180° aperture angle
Rear door	sheet steel, non-perforated, with swivel handle lock, 3-point locking, up to 180° aperture angle
Side panels	removable, locks with universal key
Feet	set of adjustable feet as standard
Protection class	IP 40
Bayable	yes
Mounting profile	2 pairs of 19” vertical profiles, front / rear, adjustable from inside, with U label
Cable management	integrated vertical cable managers
Earthing	pre-installed flat earthing kit

## Technical properties

Supported IT load (maximum)	2.16 kW
Input voltage	380/400 VAC, 50 Hz, 3 Ph+N+PE
UPS capacity	3 kVA (PF 0.9) online double conversion, 13/28 min @ 100%/50% load
UPS autonomy time extension (optional)	25 min, 34 min, 54 min
Cooling	3.5 kW in rack split DX system (indoor & outdoor)
Monitoring	Datwyler Infrastructure Monitoring System 300 (8 ports) with networked sensors
Sensors	door status(2x), temperature, humidity, smoke, leakage, vibration
User interface	touch-screen display, webbrowser
Display	10" multi-touch screen display
Power box	power box PDU, 16 A, 3 phase, metered, overvoltage protection
iPDU	2x metered PDU, 18x C13 and 6x C19
Access control	programmable electronic lock
Alarm & notification	sound and light alarm, Email notification/SMS notification (customer SIM card)
Ventilation unit (optional)	fan module with built in digital thermostat (cooling unit excluded)
Fire suppression (optional)	19" 2U fire suppression unit with integrated smoke sensor; integrated Novec fire suppression

## Versions

Material number	Product	Outer dimensions (HxWxD)	Colour	Weight [kg]
41841800ZY	MDC 300	43 U, 2200 mm x 800 mm x 1200 mm	black	320 kg

More types and configurations available on request.

Subject to technical modification

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