

Altron®

Micro DC

Tailored solution
integrating best of breed
industry technologies.



Micro DC is a fully integrated unified infrastructure, backup power, cooling, and management in one secured enclosure, which delivers instant IT capacities without any construction works. Just add your IT equipment.

ICT compatibility

- High performance computing

- Edge-of-network infrastructure

- Disaster recovery or BC solution

- Converge IT

Features

Safe and highly accessible IT environment is the foundation of practically any business today. Our original Micro DC has been developed to be suitable foundation for consolidating corporate IT.

Unique Design & Components

- Full integration & control of all data center facility infrastructure components
- Smart Management Unit; advanced smart power distribution with monitored, metered and switched power distribution boards
- Smart Ventilation Unit & Smart Cooling Unit

IT ready solution in one rack

- A modern, prefabricated alternative to traditional structures
- Pre-manufactured and pre-tested prior to delivery and deployment to client site minimizes construction and does not require any fitted room (server room)

Protecting Critical ICT equipment

- Eliminating power source failure through soft start results in extended ICT resistance and lifetime
- Local power outlet failure does not affect whole ICT system availability

Applications

- Government Digital Infrastructures – Metropolises, Telecommunication Sites, Electrical Grids driven by Internet of Things, Smart City projects in Residential Zones
- Military operations require rugged, mobile, and easy to deploy solution in harsh environments of military bases and remote operations
- Industrial application require special protection to cope with rugged and harsh conditions of exploration, research and production sites
- In healthcare sector digital imaging growth in requirements for infrastructure is the main driver for micro data center throughout medical campuses
- Banking sector and retails strive for unified ICT deployment across multiple branches



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|------------------------|--------------------------------|
| 1 Visualization module | 4 Intelligent cooling |
| 2 Fire fighting | 5 Security |
| 3 Backup power | 6 Altron smart management unit |

Micro DC Specifications

	Comfort	Revolution
Available configuration	Indoor	Indoor
ICT power	2.5 kW	2.5 – 6.5 kW
Input power	230 V, 16 A char. C, 50 – 60 Hz	230 V, 16 – 40 A char. C, 50 – 60 Hz
Rack power distribution	From 1+0 up to 3+3 PDU units	From 1+0 up to 3+3 PDU units
PDU outlets configuration	7× C13 10 A, 1× C19 16 A	7× C13 10 A, 1× C19 16 A
Cooling Method	Air Ventilation	Direct Expansion
Enclosure	Perforated – IP20	Sealed – IP54
UPS power	3 kVA	3 – 10 kVA
Enclosure dimensions	750 × 1200 × 1970 mm	750 × 1200 × 1970 mm
U-positions for ICT	37U	25 – 29U
Fire extinguishing system	Optional	Optional

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Why Altron?

- Experience – 25 years in small and medium DC facility solutions to match market needs
- Single Vendor-Design, Delivery, and Support; global reach local quality
- Integral software solution to control and orchestrate unified infrastructure

More than a Data Center