

TOTAL SOLUTION DATA CENTRE DESIGN & BUILD

Micro DC

BROCHURE



The all-in-one Micro Data Centre from Secure I.T. Environments Ltd.

Secure I.T.
Environments Ltd 

Secure I.T. Environments Ltd. 9 Shortmead Street, Biggleswade, Beds SG18 0AT
T 01983 885 182 F 01983 885 183 E enquiries@siteltd.co.uk

www.siteltd.co.uk



Micro Data Centre – A complete IT infrastructure in a rack

Do you want to cool your servers without outsourcing them to the cloud or co-location but lack the space or resources for a traditional Server Room or a small Data Centre?

Micro Data Centres are standalone solutions incorporating all the key components in a specified housing. The rack, cable management, cooling, UPS, power monitoring and fire protection are already integrated as standard in the Micro DC, or available as options. The system is modular and can be configured to customer specifications. High design flexibility is a priority for us.

Benefits of the Micro Data Centre

- Optimal solution if just a few servers are needed
- Not enough space or money for a traditional server room or small Data Centre
- An alternative to planning and building a Data Centre: simple, quick, and cost-effective
- The current IT does not comply with new safety requirements (data protection)
- Don't want to outsource IT as a whole to the cloud/co-location
- Want to keep the most important data in-house
- Protects against environmental conditions such as water, dust and fumes; allows effective access control
- Plug and play principle makes Micro Data Centres suitable for use in remote locations as well (e.g. Events or building sites)
- Best set of components available on the market – energy efficient, reliable and safe
- Automatic door opening in case of an emergency (failure of cooling system)
- Flexibility in terms of manufacturer-independent components
- Compliant with local IT safety standards
- Short delivery lead-time: 2 weeks for 1 unit, maximum 4 weeks for more than one unit



Options



1 Fire Detection and Suppression:

- Self-contained automatic fire extinguishing unit
- Novec 1230 Suppression gas (3.0m³)
- 2U rack height
- 2 x point detection
- Reaction times: less than 10 seconds

2 Uninterruptible Power Supply (UPS):

- Only for IT equipment and CyberRow controller
- 10kVA - 8U rack height including battery module
- Battery autonomy at full 10kVA: 5-6 minutes
- Selectable operating modes
- Top-class power factors and efficiency levels

3 Environmental Monitoring (AIMS):

- 1U rack height
- Supervision of all subsystems and additional sensors (if applicable)
- Dual power supply and integrated battery backup
- Live view of the Micro DC
- BMS connection (Modbus, SNMP)

4 Power Distribution Unit:

- Single phase, intelligent rack PDU
- 30 x C13 sockets
- 6 x C19 sockets
- Integrated pro-Active environmental warnings
- Continuous power monitoring



Micro DC at a Glance

- 1 Rack (45U)
- 4-10kW
- Shell (black finish)
(900mmW x 1450mmD x 2100mmH)
- Integrated CyberRow cooling CRS211 (300mmW)
- 6 Heavy duty castor wheels with screw down levelling feet
- Skirt to cover the wheels and base