



## Alphadex Data Centre Specification: IP House, London

**Address:** IP House Unit 1&2 14 Lanrick Road, London E14 0JF

Location: AlphaDEX Limited data center in the Docklands area, 5 mins from Tele House North, London comprises of 1500 m2 of purpose build space, approximately half a kilometer from London Dockland and 2 mins walk from Canning Town rail station. This controlled environment houses a multi-million pound data center and support team.

London Co-location Data Centre	
<b>General</b>	
Total area	Approximately 1500 m <sup>2</sup>
Fully developed Technical Area	1000 m <sup>2</sup>
Residual Technical Space for expansion	500 m <sup>2</sup>
Floor loading	Point loading of computer floor 450kg
Carriers	AlphaDEX, BT, Virgin/C&W/THUS, Datahop, Abovenet/6°, level3, Cogent and EU Networks.
Connectivity available	LAN/WAN connectivity at native speeds, Internet 1Mb upward to multi GigE, Metro connectivity and fibre routes to a number of data centres including THN.
<b>Mechanical infrastructure</b>	
Environment control	21 degrees C ± 3 degrees C and humidity at 50% ± 10%, with a cooling load per rack of 3kw at full occupancy
Air conditioning system	Multiple Stultz down flow units
Room cooling units	Stultz multiple 40kW down flow air handlers (pressurised raised floor)
Feature	Each AHU is independent, water detection provided
<b>Electrical infrastructure</b>	
Utility supply	Single dedicated utility incomer from BGas Energy
Standby diesel generator	Single FG Wilson
Standby generator capacity	2 x 980KVA
Operational capacity	24 hour fuel storage with fuel delivery callout contract in place. 14,000 litre separate tank
UPS modules	160kva modules manufactured by APC
UPS capacity	N+1 current 2 x 160 KVA in parallel with infrastructure to add more units as load requires
Autonomy period	15 minutes at full rated load
Power to equipment	UPS protected, dual supplies to each rack Standard offering is AC230v single phase 16AMP to BS4343 (blue commando type) socket. In rack power presentation is provided by rack mounted power strips to standard outlets 6
<b>Fire detection/ suppression</b>	
General	System comprises of three stage detection
First stage detection	VESDA detection provided above and below computer floor level
Second and third stage detection	Fully addressable analogue alarm system Double knock condition will initiate gas release
Gas suppression	FM200 gas protection provided in all rooms and UPS/battery room

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Security	
Manned security	24 x 7 x 365 security cover
CCTV	Coverage of external/ internal areas, including data centre rooms and authorized access areas.
Access	Card access system
Site entrance	Access policy
<b>Control systems</b>	
Building management	Alarm monitoring system; reports on electrical, mechanical, temperature, humidity, fire, security and access control
Delivery	Lorry access to delivery point. Facilities provided: secure delivery area, secure storage area, secure rack build area, ramp to computer floor.