

Global Hub - London

Telephone House: 2nd Floor, 67-69 Paul Street, London, EC2A 4NW, United Kingdom



General Information



The total area of Epsilon Global Hubs is 305 sq metres which is capable of housing 138 racks. A variety of part or full rack spaces are offered to meet the different customer demands. The available rack sizes are either 600x1000 mm or 800x1000mm with a total height of 2200mm. We provide one quarter and one half rack space as well to suit less complex and power consuming needs. The space is designed to

support an average power allocation of 2.5 kW per racks pace and a maximum power dissipation of 3.5 kW per rack.

The incoming power is 1088 amps from a direct utility transformer feed with UPS and generator backup and two Commando sockets per rack as a standard.

Air Conditioning

The air condition infrastructure is designed in N+1 configuration and divided into a hot aisle and cold aisle structure. The air room condition from a temperature and humidity point of view is set to remain 24°C with a relative inlet humidity of 45 per cent.

There are in total 16 air-conditioning units in a N+1 set up and each of the units can provide 25kW net cooling capacity.

An EMS system is monitoring Temperature, and Humidity, Water leakage, UPS, the fire alarm panel and Air Condition. The EMS server located in Secure MMR IT Cabinets and the SNMP Management system is accessible by Epsilon NOC (Network Operations Centre) 24x7.



Power



AC power supply is designed 1 x UPS backed PDU (A) and 1 x UPS backed PDU (B), providing 'A' and 'B' feeds to cabinet positions (terminated in PDU with 32amp MCB's). 1 x UPS on standby.

DC Power supply is provided by rack mounted rectifiers according to customer requirements. The DC power modules are available in 800W increments with single or dual feeds.

Rack charges do not include the actual power used and power draw is measured twice a week and the average monthly consumption will be charged to the customer. Therefore the customer only pays for the actual power consumed and not the full allocation.

Epsilon Global Hubs - your Gateway to the Carrier world!

Email: sales@epsilontel.com

Call: London +44 207 096 9600 **Singapore:** +65 6281 0470 **Hong Kong:** +852 3752 1840

If you wish to find out more about Epsilon's services and solutions or have any further queries please do not hesitate contact your Epsilon Business Manager or the Epsilon Sales Team.
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Generator



The site has a 1000kVA diesel generator with 3 phase 415 Volts, 50 Hz providing a continuous output of 900kVA at 1500 rpm.

The Generator is fitted in a weatherproof and soundproof 20ft container designed to maintain a noise level of 85dB (A) @ 1 meter and features pre-treated phosphate steel body panels and outside emergency stop button and an externally mounted exhaust system.

The base fuel tank can hold 2500 litre to provide run times of up to 13 hours under full load with a fuel consumption of 189.2 litres per hour.

At 70% load, the fuel consumption will be 132 litres per hour which will give 19 hours autonomy.

Floor and UPS

The co-location area has a heavy duty grade anti-vinyl-static raised access floor with cavity floor height of 350 mm providing plenty of space for under floor infrastructure with a loading capability of 12kN. The floor air vents are made of non-dampered aluminium floor grilles for efficient air circulation.

The main power supply is backed up with a 3 x 200 kVA UPS system in a N+1 format. The UPS system provides the site with total power autonomy of 20 minutes under full load. The chosen battery specification has an expected lifetime of 10 years.



Cabling and MMR



All cross connections between cabinets take place in the secure Meet-Me-Room to which only Epsilon technicians have access to and a structured cabling policy is in place to connect the racks to the MMR.

Structured cabling for copper E1/DS3 and 100Mb Ethernet terminate on UTP and CAT6 cabling is used for 1000Mb Ethernet connections. MM and SM fiber is run in

overhead fiber guides to MMR completely separated from the copper which is laid underneath the floor.

There is a dual entrance into MMR for all cable runs and cross connects in the MMR are provided within 2 working days.

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Security and Access



Epsilon Global Hubs is a 24x7 manned co-location facility with the Field Manager and Security team present during working hours from 8am to 6pm. During out of office hours access is controlled by the NOC (Network Operations Centre).

EGH operates a two stage security policy: Access to Telephone House is controlled 24x7 by the Telephone House Security Team located

at the reception of the building.

Access to the co-location Facility is controlled by Epsilon Staff and NOC.

All co-location areas and entrances are monitored via CCTV with management stations resident in the NOC.

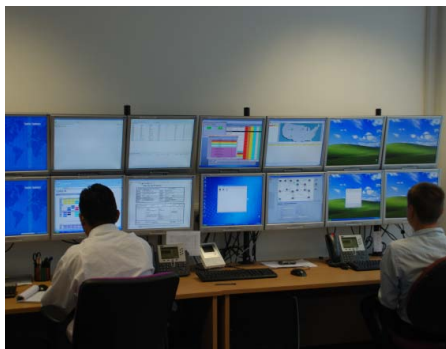
Fire Detection and Suppression

An FM200 fire suppression and detection system is installed above and below the raised access floor system. One fire suppression control panel is fitted at the entrance to the room and two VESDA alarm indication panels are fitted within the technical space.



Co-location that is one step above the rest... Experience the Epsilon difference today.

Technical Support



Epsilon provides the following support services on site for its co-location customers (free of charge once per calendar month subject to the intervention not exceeding 20minutes).

1. Power cycle customer equipment where power switch is clearly visible
2. Pull out/reinsert a card
3. Take a digital picture of a customer rack or

equipment and email it to the customer

4. Visual inspection and analysis of LED condition
5. Report of spare ODF / DDF copper ports on termination panels

Any additional or different remote hands support requested on site via the Epsilon NOC will be charged at the rates specified in the service order form.

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