

Borsa İstanbul Colocation Service

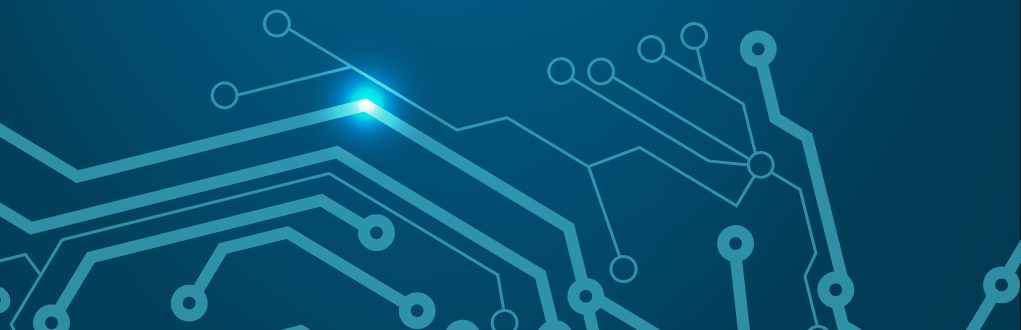


**BORSA
İSTANBUL**

Borsa İstanbul CoLocation Service

Borsa İstanbul CoLocation service enables its clients to place their equipments at Borsa İstanbul Data Center in which the Exchange's market systems are also located. Thereby clients have the privilege to access the market systems in a faster and more reliable manner.

With its CoLocation service Borsa İstanbul aims to reach variety of market participants including Members, HFT/Algo Firms, Service Providers and Data Vendors that are seeking the highest possible access speed.



Why CoLocation?

Fastest Access to Exchange's Systems

Under normal conditions, estimated roundtrip latency (software+network) provided under CoLocation is;

For Equity Market < 1 millisecond

For Derivatives Market < 1,2 millisecond

Fairness

Borsa İstanbul provides same cabling length from each cabinet to the trading system within its CoLocation service, thereby enables the fairness between customers.

Cost Advantage

Borsa İstanbul colocation area can be used as an alternative access point. By choosing this option firms may save from the data center maintenance costs and/or connection costs they are bearing now.

Risk Mitigation

With its state of art Data Center Borsa İstanbul offers the most secure and advanced solution to its customers.

All components (connections, energy, cooling systems) are provided redundantly. Thereby operation risk due to tech infrastructure is reduced to minimum. Upon demand on-site support is granted by well-trained Borsa staff.

HFT/Algo

Borsa İstanbul provides the appropriate infrastructure for HFT/Algorithmic trading.

ITCH (Market by Order) Data

Full order book data transmitted via ITCH format could only be accessed by customers that purchase the colocation service.

Borsa İstanbul Primary Data Center Technical Features

- Highly secure and reinforced cabinets. Compatible with universal earthquake levels 1, 2, 3, 4
- 24/7 secure access and monitoring system
- Redundant Tier 3+ cabling solutions of advanced technology
- Redundant power solutions of advanced technology
- Cooling infrastructure fixed at a certain temperature interval, operating in redundancy
- Delivery receiving and acceptance of Goods services
- Redundant 1G/10G network connections directly connected to the data dissemination and trading system infrastructure
- Cooling infrastructure fixed at a certain temperature interval, operating in redundancy
- Smart PDU systems for the periodical (monthly/yearly) monitoring and measurement of electricity consumption
- High level security for cabinet lock system
- 24/7 active fire alarm sensors



Services Offered

Basic Service (Hosting)

- Half / Shared Cabinets in DC
- 1.5 kW energy service with UPS backup
- Cooling infrastructure fixed at a certain temperature interval, operating in redundancy
- Smart PDU systems for the periodical monitoring and measurement of electricity consumption
- 20 hours of Remote Hands services, for the first 3 months
- 1 x External connection (connection to telco providers)
- 2 x Cross connection (between customer cabinets)

Market Connectivity

- 1 GB/sec fiber or copper connections to access to Exchange's market systems
- 10GB/sec fiber connections to access to Exchange's market systems

Additional Cabinet, Power, Connectivity

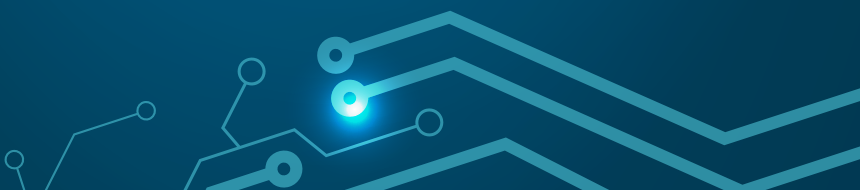
- Upon the hosting service, customers have the option to purchase additional cabinet, power and external/internal connections

Other IT services (System&Operation)

- Remote Hands Service
- Storage - Warehousing Services and Installation Area Usage Services
- Site visit reservation and accompaniment services
- Cabinet reservation program
- Cabinet change service

Other IT services (Application&Software)

- Dedicated Gateway Service
- Drop Copy Service





Please reach Borsa İstanbul colocation customers from the following link;

www.borsaistanbul.com/en/colocation

To get colocation service documentation (Colocation Agreement, Service Guide, Fee Schedule, Order Form) and receive market data please contact with Borsa İstanbul Marketing and Sales Department;

E-mail: colocation-marketing@borsaistanbul.com

Internet: borsaistanbul.com/en/colocation

Telephone: +90 212 298 23 76



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