

EURONEXT DATA CENTRE

COLOCATION PRICE LIST

August 2023

Version 6.0



EURONEXT

TABLE OF CONTENTS

1.	<i>COLOCATION PRICING: GENERAL PRINCIPLES</i>	3
2.	<i>EURONEXT COLOCATION PRICE LIST</i>	4
3.	<i>EURONEXT CROSS-CONNECTIONS WITHIN THE COLOCATION PRICE LIST</i>	9
4.	<i>APPLICATION SERVICES FOR COLOCATION SERVICE OFFERING</i>	13
5.	<i>PROCESS FOR ORDERING, MODIFYING AND CANCELLING THE COLOCATION SERVICE OFFERING</i>	16

- This price list is designed to provide clients with a detailed overview of the Charges for the Euronext Colocation Services.
- If you have any questions concerning the content of this price list or would like further information on Euronext’s Colocation Services, please contact your sales representative or the ETS Support Team via ets_support@euronext.com.

1. COLOCATION PRICING: GENERAL PRINCIPLES

- The Colocation Services pricing model applies to all Colocation Services provided at the Aruba Data Centre.
- Colocation Services are fully operated by Euronext. Order forms and contracts governing the provision of these new services must be signed with Euronext.
- Euronext Colocation Services are available to Members and Non-Members.
- Different prices are applied to Members and Non-Members and are indicated in EURO (€).
- Application Services fees relate to prices for multicast services in colocation.
- Application Services fees are charged per service and per FTE.
- Participant Access fees are charged per service on a per End User basis. A client of a Service Provider is considered as an End User when the Client receives raw Euronext Data.
- Colocation Services are invoiced by Euronext directly to Members and Non-Members. Billing is automatic, regardless of whether the Colocation Services have been used by the Client or not. Full payment is due for every calendar month.
- Euronext may at its sole discretion allow its clients to subscribe on a non-discriminatory basis to temporary validation tests or comparable undertakings regarding new or ancillary Colocation Services, which may give rise to different Charges as set forth herein.
- Earlier, Euronext reserved the right to amend Charges during the course of 2023 if such Charges were not amended earlier this calendar year.
- For the avoidance of any doubt, Euronext is entitled to further update the Price List during this calendar year when it introduces new Services.
- Detailed Colocation pricing is described in this Price List.

2. EURONEXT COLOCATION PRICE LIST

A. Hosting Colocation Services

The following guide provides an overview of the pricing for Euronext Colocation Services.

Euronext offers a range of Colocation Services to Euronext Members and Non-Members. Specific conditions and pricing may be applied. Please refer to the Colocation Agreement Order Form or Change Request.

Members/Non-Members:

- A **"Member"** is any entity that is classed as a member, as defined in the General Terms and Conditions (GTCs)
 - Note that an entity that trades via a broker or a clearing firm will be considered as a **"Member"** for pricing purposes only.
- A **"Non-Member"** is any entity that is not a Member, but which is a party to an Other Euronext Agreement:
 - A Service Provider Agreement:
 - Application Service Provider (ASP)
 - Extranet Service Provider (ESP)
 - A Data Licence

The table set forth below indicates what type of Charges apply to a given Client depending on that Client's specific status and that of any Affiliates or End Users the Client may be authorised to service under the Agreement. Euronext's qualification of a Client shall be binding upon the Client.

COLOCATION OPTIONS			
#	MEMBER	NON-MEMBER	APPLICABLE FEE
1.	Client		Member Fee
2.		Client	Non-Member Fee
3.	Client	Affiliates	Member Fee
4.	Affiliate	Client	Member Fee
5.	Client & Affiliate		Member Fee
6.		Client & Affiliate	Non-Member Fee
7.	Client (non-broker)	End User	Non-Member Fee
8.	Client (broker)	End User	Member Fee
9.	End User	Client	Non-Member Fee
10.	Client & End User		Member Fee
11.		Client & End User	Non-Member Fee

To clarify, as an example, line 1 should be interpreted as, "if the client is a Member, the Client will pay the Member Fee", and so on.

Colocation cabinets and hosted users

There are three (3) cabinet options available in the Colocation area: **4kW, 9kW or 18kW of peak power**.

There are two (2) cabinet options available in the Proximity area: **4kW or 9kW of peak power**.

Each cabinet is provided with a power distribution unit (PDU) by default.

Pricing for Non-recurring Fees is the same for Member and Non-Member.

Frequency: Monthly

Colocation cabinets and hosted users				
PRODUCT CODE	BASIS	BASIC FEE MEMBER	BASIC FEE NON-MEMBER	VARIABLE FEE
Colocation Cabinet kW				
4 kW	Per cabinet	€3,381	€4,151	3 x P&C Unit
9 kW	Per cabinet	€8,053	€9,725	6.75 x P&C Unit
18 kW	Per cabinet	€13,289	-	13.5 x P&C Unit
4 kW (Proximity area)	Per cabinet	€1,690	€2,075	3 x P&C Unit
9 kW (Proximity area)	Per cabinet	€4,026	€4,862	6.75 x P&C Unit
PNU Cabinet	Per Cabinet	€660	€660	-
Hosted End User	Per hosted End User	-	€990	-

Frequency: One-off

Colocation cabinets – Installation Fees		
PRODUCT CODE	BASIS	FEE
4 kW	Per cabinet	€3,850
9 kW	Per cabinet	€3,850
18 kW	Per cabinet	€3,850
4 kW (Proximity area)	Per cabinet	€3,850
9 kW (Proximity area)	Per cabinet	€3,850
PNU	Per cabinet	€3,850
Hosted End User	Per hosted End User	€500

Note:

Note 1: 18kW cabinets are not available to Non-Members.

Note 2: For PNU, Clients can decide to reserve a 4 kW or a 9kW Cabinet. Cabinets can be reserved on a PNU basis in the Colocation Room only, not in the MMR, in the Proximity Area or within the Roof Room. Clients can reserve cabinets on a PNU basis for up to a maximum of 25% of the total number of their Cabinets in the Colocation Room (the number of cabinets will be rounded down). For example (for illustration purposes only), if a Client has ordered 10 Cabinets, it can reserve a maximum of two Cabinets on a PNU basis. Clients with less than four Cabinets in the Colocation Room will however be permitted to reserve one Cabinet on a PNU basis. The power activation of a PNU will not give rise to additional one off fees.

Note 3: The P&C Unit will vary every month on the basis of the actual power and cooling cost incurred by Euronext. The variable costs for energy and cooling (calculated by applying a 75% usage rate on the P&C Unit) are distinguished from the other applicable fixed Charges per Cabinet size as reflected in the Price List.

Note 4: The delivery of the Proximity Area is expected in 2023. The exact launch date will be communicated separately by Euronext at the appropriate time.

Note 5: The hosted user fee only applies to Service Providers, being Non-Members providing hosting services to End Users in their Cabinet(s) located in the Colocation Room. An additional fee per Hosted End User is applied in this case irrespective of the Markets the Hosted End User is accessing (including MTS).

Note 6: One-off fees will be invoiced upon the installation of the service.

B. Colocation Services

Cabinet Management

In the event that the Client requests Euronext to provide support to establish a structured cabling solution (as to be determined by Euronext) and such request is acceptable for Euronext, Euronext shall issue a specific quote in respect thereof to the Client and, if accepted by the Client, Parties will conclude a specific statement of work (in a format determined by Euronext) to document such non-standard Services.

Frequency: Upon Request

GOODS STORAGE			
PRODUCT CODE	DESCRIPTION	BASIS	FEE
Goods storage	Storing of one shipment	Per day per shelf space (100 cm width, 60 cm depth, 44 cm height)	€110
Packaging Material Disposal	Disposal of packaging	Per event per 4 boxes	€55

Goods storage will be charged as specified in the Acceptable Usage Policy.

Smart Hands

Clients will be able to request Smart Hands Services assistance by indicating details of assistance, time constraints, and the preferred date and time.

Smart Hands services support hours are detailed in the Service and Technical Description.

Please note that for security reasons, the Colocation Room will not be accessible by the Smart Hands Team during the trading hours of any of the Markets.

Emergencies Management:

Smart Hands Team available 24x7

Frequency: Upon Request

SMART HANDS			
PRODUCT CODE	DESCRIPTION	BASIS	FEE
Smart Hands: Support Hours	Use of first-level technician support for on-site support	Per unit of 30 mins	€72
Smart Hands: Outside Support Hours	Use of first-level technician support for on-site support at nights, on weekends and public holidays		€99

Colocation Security

The choice of the product (token or biometric security) applies to all the Client's cabinets.

The fee will be charged per cabinet. Pricing for Non-recurring Fees is the same for Member and Non-Member.

Frequency: Monthly

COLOCATION SECURITY			
PRODUCT CODE	DESCRIPTION	BASIS	FEE
Token	Token access to enter the cabinet	Per cabinet	€225
Biometric security	Biometric access to enter the cabinet		€405

Frequency: One-off

COLOCATION SECURITY – Installation Fees			
PRODUCT CODE	DESCRIPTION	BASIS	FEE
Token	Token access to enter the cabinet	Per cabinet	€594
Biometric security	Biometric access to enter the cabinet		€594

Time Synchronisation Services

All cabinets come by default with the Euronext NTP time service.

In addition to the NTP service, included by default in the cabinet, additional resilient, highly-precise time synchronisation services for clients located in the Data Centre are available to Members and Non-Members:

- PTP service: Redundant Single-Mode Fibre Cross-Connects with Euronext PTP
- GNSS service: Redundant Cross-Connects with Euronext GNSS

Frequency: Monthly

TIMING SERVICES			
PRODUCT CODE	DESCRIPTION	BASIS	FEE
Euronext PTP	Redundant Single-Mode Fibre Cross-Connects with Euronext PTP	Per service	€1,320
Euronext GNSS	Redundant Cross-Connects with Euronext GNSS	Per service	€385

Frequency: One off

TIMING SERVICES – Installation Fees			
PRODUCT CODE	DESCRIPTION	BASIS	FEE
Euronext PTP	Redundant Single-Mode Fibre Cross-Connects with Euronext PTP	Per service	€594
Euronext GNSS	Redundant Cross-Connects with Euronext GNSS	Per service	€594

3. EURONEXT CROSS-CONNECTIONS WITHIN THE COLOCATION PRICE LIST

A. Colocation Room to Euronext's Optiq® Matching Engine

Multiple single-mode optic fibre links are needed by Clients to connect their equipment to Euronext's Optiq® matching engine ("**Optiq Matching Engine**"). These links are used either for unicast or multicast traffic.

Connectivity between the Client's cabinet and the Optiq Matching Engine is provided by:

1. Multicast FTEEx: a pair of single-mode fibre links for multicast A & B feeds
2. Unicast FTEEx: a pair of single-mode fibre links for TCP/IP connection (Order Entry Gateway, Drop Copy) with full resiliency

Please note that, as per RTS 10 requirements, Euronext will arrange for the same cable length for all Clients when required by Applicable Law.

Frequency: Monthly

COLOCATION ROOM TO OPTIQ MATCHING ENGINE				
PRODUCT CODE	DESCRIPTION	BASIS	MEMBER	NON - MEMBER
1 Gb/s FTEEx	FTEEx (1 Gb/s) from a cabinet in redundant Single-Mode Fibre to Optiq for multicast and unicast services	Per set of 2 pairs (one unicast and one multicast)	€5,775	€11,550
10 Gb/s FTEEx	FTEEx (10 Gb/s) from a cabinet in redundant Single-Mode Fibre to Optiq for multicast and unicast services	Per set of 2 pairs (one unicast and one multicast)	€8,003	€14,850
10 Gb/s FTEEx	Additional FTEEx (10 Gb/s) from a cabinet in redundant Single-Mode Fibre to Optiq for multicast or unicast services	Per pair	€4,125	€7,920

Frequency: One off

COLOCATION ROOM TO OPTIQ MATCHING ENGINE – Installation Fees				
PRODUCT CODE	DESCRIPTION	BASIS	MEMBER	NON - MEMBER
1 Gb/s FTEEx	FTEEx (1 Gb/s) from a cabinet in redundant Single-Mode Fibre to Optiq for multicast or unicast services	Per pair	€3,850	€3,850
10 Gb/s FTEEx	Additional FTEEx (10 Gb/s) from a cabinet in redundant Single-Mode Fibre to Optiq for multicast or unicast services	Per pair	€3,850	€3,850

B. Colocation Room to MTS Markets' Matching Engine

Connectivity between the Client's cabinet and the MTS Markets matching engine ("MTS Matching Engine") is provided by the MTS FTEEx: a pair of single-mode fibre links.

Please note that, as per RTS 10 requirements, Euronext will arrange for the same cable length for all Clients when required by Applicable Law.

Frequency: Monthly

COLOCATION ROOM TO MTS MATCHING ENGINE				
PRODUCT CODE	DESCRIPTION	BASIS	MEMBER	NON - MEMBER
10 Gb/s MTS FTEEx	MTS FTEEx (10 Gb/s) from a cabinet in redundant Single-Mode Fibre to the MTS Matching Engine	Per pair	€2,500	€4,800

Frequency: One off

COLOCATION ROOM TO MTS MATCHING ENGINE				
PRODUCT CODE	DESCRIPTION	BASIS	MEMBER	NON - MEMBER
10 Gb/s MTS FTEEx	MTS FTEEx (10 Gb/s) from a cabinet in redundant Single-Mode Fibre to the MTS Matching Engine	Per pair	€3,850	€3,850

The one-off Charge for installing MTS FTEEx will be waived for all MTS FTEEx installed before or ultimately on 31 December 2024.

C. Cross-connections available within the data centre

The table below provides the fees associated with the different types of internal cross-connections available to Members and Non-Members within the Colocation space, i.e.:

- Cross-Connect between the Meet Me Room (MMR) and the Client's Cabinet
- Single-User Cross-Connect or Multi-User Cross-Connect
- Only for clients with Colocation presence ordering Client Managed Connectivity (CMC): Single-mode fibre Cross-Connect between the Colocation Cabinet and CMC port of the client
- Only for clients having concluded and maintaining either (a) an agreement with the Accepted Wireless Carrier regarding the provision of wireless connectivity services, or (b) a Wireless Services Order Form with Euronext: Wireless Cross-Connect

Frequency: Monthly

CROSS-CONNECTIONS			
PRODUCT CODE	DESCRIPTION	BASIS	FEE
Meet Me Room Colocation – Colocation	Single-mode fibre Cross-Connect between Meet Me Room and Colocation (including Proximity area)		€220
Colocation to CMC (N/A in proximity)	Single-mode fibre Cross-Connect between the Colocation Cabinet and CMC (Client Managed Connectivity) port of the client		€0
Colocation (Single User) (N/A in proximity)	Single-mode fibre Cross-Connect between consecutive Colocation Cabinets, single client up to 15 Cross-Connects ¹	Per Cross-Connect	€0
Colocation (Single User) (N/A in proximity)	Single-mode fibre Cross-Connect between non-consecutive Colocation Cabinets in the same area, single client		€0
Colocation (Multiuser)	Single-mode fibre Cross-Connect between two Colocation Cabinets or two Cabinets in the Proximity area of multiple clients		€220
Wireless Cross-Connect (N/A in proximity)	Wireless Cross-Connect between the Client's Cabinet in the Colocation Room and either (i) the Accepted Wireless Carrier's equipment in the Roof Room or in the MMR, or (ii) the Client Equipment in the Roof Room or in the MMR, as indicated by the Client in writing (including via email).	Per Cross-Connect	€330
Proximity Area – Colocation per MEMBER	Cross-Connect between Proximity and Colocation cabinet of the same Client	Per pairs of cross connect	€5,000
Proximity Area – Colocation per NON-MEMBER	Cross-Connect between Proximity and Colocation cabinet of the same Client	Per pairs of cross connect	€6,000

¹ For other requests please contact your Sales Representative

Frequency: One-off

CROSS-CONNECTIONS – Installation Fees			
PRODUCT CODE	DESCRIPTION	BASIS	FEE
Meet Me Room Colocation - Colocation	Single-mode fibre Cross-Connect between Meet Me Room and Colocation (including Proximity area)		€220
Colocation to CMC (N/A in proximity)	Single-mode fibre Cross-Connect between the Colocation Cabinet and CMC (Client Managed Connectivity) port of the client		€0
Colocation (Single User) (N/A in proximity)	Single-mode fibre Cross-Connect between consecutive Colocation Cabinets, single client up to 15 Cross-Connects ¹	Per Cross-Connect	€0
Colocation (Single User) (N/A in proximity)	Single-mode fibre Cross-Connect between non-consecutive Colocation Cabinets in the same area, single client		€0
Colocation (Multiuser)	Single-mode fibre Cross-Connect between two Colocation Cabinets or two Cabinets in the Proximity area of multiple clients		€220
Wireless Cross-Connect (N/A in proximity)	Wireless Cross-Connect between the Client's Cabinet in the Colocation Room and either (i) the Accepted Wireless Carrier's equipment in the Roof Room or in the MMR, or (ii) the Client Equipment in the Roof Room or in the MMR, as indicated by the Client in writing (including via email).	Per Cross-Connect	€330
Proximity Area – Colocation	Cross-Connect between Proximity and Colocation cabinet of the same Client	Per pair of cross connect	€440

Pricing for Non-recurring Fees is the same for Member and Non-Member.

¹ For other requests please contact your Sales Representative

4. APPLICATION SERVICES FOR COLOCATION SERVICE OFFERING

The Multicast Application Services fees are applied depending on client type.

	Via Colocation
Member	A.
Non-Member	B.

A. Multicast Application Services fees for Members

The Multicast Application Services fees are applied per FTEEx.

Frequency: Monthly

PRODUCTION - Euronext Cash Multicast Application Services			
SERVICE	100 MB	1GB	10 GB
Euronext Cash Consolidated:			
- Euronext Equities (excl. Ireland, Norway and Italy)			
- Euronext Fixed Income (incl. Nordic ABM, excl. Italy)			
- Euronext ETF and Funds (excl. Italy)	€294.00	€624.00	€728.00
- Euronext Warrants and Certificates (excl. Italy)			
- Indices/iNAVs			
- Best of Book			
- Euronext Block			
Cash Consolidated			
Light Pack:			
- Euronext Equities (excl. Ireland, Norway and Italy)	€208.00	€432.00	€520.00
- Euronext Fixed Income (incl. Nordic ABM, excl. Italy)			
- Euronext ETF and Funds (excl. Italy)			
Euronext Ireland Equities¹	€104.00	€208.00	N/A
Euronext Norway Equities	€104.00	€208.00	N/A
Euronext Italy Equities²	€157.00	€320.00	€384.00
Euronext Warrants and Certificates (excl. Italy)	€96.00	€190.00	N/A
Indices/iNAVs	€35.00	N/A	N/A
Euronext Best of Book	€35.00	€104.00	N/A
Euronext Block	€26.00	N/A	N/A
Euronext FX	€104.00	N/A	N/A
Bourse de Luxembourg	€26.00	€43.00	N/A

¹ Includes Euronext Ireland Bonds and Funds. Clients who solely want Ireland Bonds and Funds can contact their Sales Representative.

² Includes - Italy Equities, EuroTLX Equities, Global Equity Market, Trading After Hours Italy, Italy Funds ETF, Italy Fixed Income (MOT/ExtraMOT), EuroTLX Fixed Income (Bond-X), Italy Certificates & Warrants (SEDEX), EuroTLX Certificates & Warrants (Cert-X)

Frequency: Monthly

PRODUCTION - Euronext APA Multicast Application Services			
SERVICE	100 MB	1GB	10 GB
Euronext APA Trades	€61.00	N/A	N/A
Euronext APA SI Quotes	€61.00	N/A	N/A

Frequency: Monthly

PRODUCTION - Euronext Derivatives Multicast Application Services			
SERVICE	100 MB	1GB	10 GB
Euronext Derivatives Pack (Excl. Italy):			
- Euronext Commodities Derivatives	€61.00	€139.00	€208.00
- Euronext Equity and Index Derivatives			
Euronext Commodities Derivatives (Excl. Italy)	€14.00	€35.00	N/A
Euronext Equity and Index Derivatives (Excl. Italy)	€52.00	€104.00	€173.00
Euronext Other Derivatives (Norway, Portugal & Belgium)	€18.00	€41.00	N/A
Euronext Italy Commodities, Equity and Index Derivatives	€20.00	€46.00	€69.00

Frequency: Monthly

EUA - Euronext Cash, Derivatives, APA Application Services	
SERVICE	FEE
Euronext Cash Consolidated Pack	€130.00
Euronext Derivatives Consolidated Pack	€104.00
Euronext APA (incl. Trades and SI Quotes)	€21.00

B. Multicast Application Services fees for Non-Members

For Non-Members, the Application Services include Production and EUA.

Frequency: Monthly

PRODUCTION AND EUA - Application Services		
SERVICE	FEE PER FTE _x	FEE CAP
Cash Multicast* (excl. Italy)	€3,119.00	€31,190.00
Cash Multicast – Ireland only	€1,040.00	€10,400.00
Cash Multicast – Norway only	€1,040.00	€10,400.00
Cash Multicast – Italy only	€1,559.00	€15,590.00
Derivatives Multicast (excl. Italy)	€2,079.00	€20,790.00
Derivatives Multicast – Euronext Others only (Norway, Portugal & Belgium)	€624.00	€6,240.00
Derivatives Multicast – Italy only	€693.00	€6,930.00
PARTICIPANT ACCESS	PER END USER	FEE CAP
Participant Access Cash Multicast	€208.00	€10,400.00
Participant Access Derivatives Multicast	€208.00	€10,400.00

(*) APA is included in Cash Multicast package.

5. PROCESS FOR ORDERING, MODIFYING AND CANCELLING THE COLOCATION SERVICE OFFERING

To order Colocation Services from Euronext, or to cancel or modify your subscription, please contact your sales representative or the ETS Support Team via ets_support@euronext.com.

