



# CBOE Options

C1 Options (Units 31 to 35)

**Version 1.01**

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## Revision History

Date	Version	Description
04/03/2025	1.01	<ul style="list-style-type: none"><li data-bbox="646 352 834 380">• Initial draft</li></ul>

# CBOE Options

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## Overview:

TT is offering connectivity to Cboe C1 Equity Index Options (Units 31 to 35).

## APIs supported:

Prices: Multicast PITCH

Order Entry: FIX

## Order types and TIFs supported:

- Limit, Market, Stop Limit, Stop Market
- Day, GTC, GTDate

## Trading sessions supported:

TT supports all trading sessions offered by CBOE. GTH (Global Trading Hours), RTH (Regular Trading Hours), and Curb session. SPX, VIX, and XSP may be traded in all sessions (GTH, RTH, and Curb), while all other products are limited to RTH only.

Day	Event	Session Name	Time (ET)	Overlap Time	Details
Sunday	PITCH feed start	-	Around 1:00 p.m.	-	The PITCH feed begins for the week on Sunday afternoon.
Sunday to Thursday	GTH Queuing (Order Submission)	GTH	8:00 p.m. – 8:15 p.m.	-	Orders can be queued up before the GTH session starts.
Sunday to Thursday	GTH	GTH	8:15 p.m. – 9:25 a.m		The overnight trading session. Overlaps with RTH.
Monday To Friday	RTH Queuing (Order Submission)	RTH	7:30 a.m. – 9:30 a.m.	7:30 a.m. – 9:25 a.m (Overlaps with GTH)	Orders for RTH can be queued up before the session starts. Overlaps with GTH.

Monday to Friday	RTH	RTH	9:30 a.m. – 4:15 p.m.		The main trading session during regular U.S. market hours.
Monday to Friday	Curb Trading	Curb	4:15 p.m. – 5:00 p.m.	-	A short trading session after RTH for additional trades, only during Standard Hours.
Sunday to Friday	No trading activity		5:00 p.m. – 8:00 p.m.		No trading activity
Friday	PITCH feed shutdown	-	Around 5:30 p.m.	-	The feed shuts down for the week on Friday evening.

## Session Eligibility

Session eligibility sets which trading sessions the account can trade in. This can be configured on TTUS -> Accounts

Session Eligibility

✓ [Select a value]

Order Participates in RTH

CMTA Number

Order Participates in GTH

- Order Participates in RTH — Orders can only be submitted during Regular Trading Hours (RTH). Orders entered during the Global Trading Hours (GTH) with Session Eligibility as RTH will be queued and activated only during the RTH session. This is the default setting. Sent to the exchange as Tag 22017 = R.
- Order Participates in GTH — Orders may be submitted during both Global Trading Hours (GTH) and Regular Trading Hours (RTH).

## Order Eligibility across sessions:

Session	Session Eligibility	Order Type	Day	GTC	GTDate	IOC	OnOpen	OnClose
GTH (8:00 PM (Prev) – 9:25 AM ET)  *During the GTH session, if session	Order Participates in GTH	Limit (Market, Stop Limit, Stop Market not allowed)	✓	✓	✓	✓	✓	✗

eligibility is set to RTH, orders can be placed in the queue but will only become active once the session transitions to RTH	Order Participates in RTH	Limit	✓	✓	✓	✓	✓	✓
	Order Participates in RTH	Market	✓	✗	✗	✗	✓	✓
	Order Participates in RTH	Stop Limit	✓	✓	✓	✗	✗	✗
	Order Participates in RTH	Stop Market	✓	✗	✗	✗	✗	✗
RTH (7:30 AM – 4:15 PM ET)	Order Participates in GTH	Limit (Market, Stop Limit, Stop Market not allowed)	✓	✓	✓	✓	✓	✗
	Order Participates in RTH	Limit	✓	✓	✓	✓	✓	✓
	Order Participates in RTH	Market	✓	✗	✗	✓	✓	✓
	Order Participates in RTH	Stop Limit	✓	✓	✓	✗	✗	✗
	Order Participates in RTH	Stop Market	✓	✗	✗	✗	✗	✗
Curb (4:15 PM – 5:00 PM ET) *RTH Session eligibility not allowed	Order Participates in GTH	Limit (Market, Stop Limit, Stop Market not allowed)	✓	✓	✓	✓	✓	✗

## Price Adjustment Due To NBBO:

If the limit price of an order does not cross the NBBO, the order will be displayed at the price at which it is placed. If the limit price of an order crosses the NBBO, the limit price will be adjusted on entry to the locking price of the NBBO. This adjusted price is sent in WorkingPrice (tag 9690). TT will adjust the working price of the order in the order based on WorkingPrice. TT recommends that all users set the port level attribute 'Report Working Price' to Yes to receive the 'WorkingPrice' of the order in tag 9690.

If the NBBO widens, the displayed price will be readjusted according to the new price band. When this happens, Cboe does not send restatements or notifications for the new adjusted price. The user on TT will continue to see the initial working price.

More information: [https://www.cboe.com/us/options/trading/complex\\_orders/](https://www.cboe.com/us/options/trading/complex_orders/)

## Features Supported:

- Supported Product Types

- Options
  - Strategies

- Strategy Creation

- <https://library.tradingtechnologies.com/trade/sc-cboe-strategy-creation.html>. TT supports CBOE's [complex orders](#) functionality. Using the Strategy Creation widget on TT, you can create and trade complex instruments for all options products at CBOE. Note: TT supports complex instruments with options legs only.

- FIX API:

- Trading of Cboe options is supported via the TT FIX API

- Cancel on Disconnect (COD):

- Clients may configure Cancel on Disconnect (COD) at the Port level with Cboe when requesting order entry credentials. No configuration is needed on the TT side to enable or disable this functionality.

## Features not supported:

- Autotools: Algo, ASE
- Indicative Open price and Quantities
- RFQ
- Time in force: FOK
- .netSDK API
- Options Analytics
- Routing Instruction (*RoutingInst* Tag 9303): TT does not support configuring *RoutingInst* (Tag 9303). Cboe will assume the default value of 'R' (Routable) for orders sent to them.
- TT Mobile

## Port settings with CBOE:

Clients must configure the following settings for their FIX order entry ports with the Cboe:

<https://www.cboe.com/account/login/>

- Report Working Price:

- TT recommends setting this attribute to Yes. This will allow Cboe to report the working price in tag 9690



- **Cancel on Disconnect:**  
Cancels open orders upon order handler session disconnect; both graceful and ungraceful. All, Day, or None
- **Cancel on ME Disconnect:**  
Controls whether orders are cancelled or preserved on a Matching Unit failover and provides for the ability to preserve GTC/GTD orders. All, Day, None
- **Carried Order Restatements:**  
TT recommends setting it to Yes
- **Done For Day Restatements:**  
TT recommends setting it to Yes
- **Multi-Segment Holiday Day Order Handling:**  
TT recommends keeping it to default, which is None  
None = All Day orders on the book are carried between trading segments  
Cancel = All Day orders on the book at the conclusion of the current trading segment are cancelled back.

### List of products supported on TT from Units (31 to 35):

Symbol	Description
CBTX	Cboe Bitcoin US ETF Index (CBTX) options
CBTXW	Cboe Bitcoin US ETF Index (CBTX) options - Weekly
DJX	Options Based on Dow Jones Industrial Average (DJX)
MBTX	Cboe Mini Bitcoin US ETF Index (MBTX)
MBTXW	Cboe Mini Bitcoin US ETF Index (MBTX) - Weekly
MRUT	Mini-Russell 2000 Index Options
MXACW	Options on the MSCI ACWI Net Total Return USD Index (MXACW)
MXEA	Options on MSCI EAFE Indexes
MXEF	Options on EM (MXEF) Indexes
MXUSA	Options based on the MXUSA Index (MXUSA)
MXWLD	Options based on the MXWLD Index (MXWLD)

NANOS	Options are based on 1/10th the value of the S&P 500 Index (NANOS)
OEX	OEX® S&P 100™ Index Options
RLV	Russell 1000 Value Index Options
RUI	Russell 1000 Index Options
RUT	Russell 2000 Index Options
RUTW	Russell 2000 Index Options - Weekly
SIXB	Materials Select Sector Index Options
SIXI	Industrials Select Sector Index Options
SIXM	Financial Select Sector Index Options
SIXRE	Real Estate Select Sector Index Options
SIXU	Utilities Select Sector Index Options
SIXV	Health Care Select Sector Index Options
SPEQW	S&P 500 Equal Weight Index Weekly Options
SPEQX	S&P 500 Equal Weight Index Options
SPESG	The S&P 500 ESG Index Options
SPX	S&P 500® Index Options
SPXW	S&P 500® Index Options - Weekly
VIX	Cboe Volatility Index® (VIX®) Options
VIXW	Cboe Volatility Index® (VIX®) Options - Weekly
XEO	European-style S&P 100™ Index Options
XND	Nasdaq-100® Micro Index Options
XSP	XSP (Mini-SPX) Index Options
ZBZX	Test product
ZTEST	Test product
ZTST	Test product

Additional links:

Cboe Options FAQ's [https://cdn.cboe.com/resources/features/24x5\\_Trading\\_FAQ.pdf](https://cdn.cboe.com/resources/features/24x5_Trading_FAQ.pdf)