

**Front-End System Provided Functionality**

**Company Name:** thinkorswim

**Application Name:** thinkorswim

**Website:** [www.thinkorswim.com](http://www.thinkorswim.com)

**CME Globex-Certified Functionality**

|  |  |
|--|--|
| <b>iLink</b> <input checked="" type="checkbox"/>             | <b>Functionality</b>                                   |
| <b>Market Data</b>   | Implied Prices <input type="checkbox"/>                |
| Futures Book-Depth Supported 5                               | In-Flight Mitigation (IFM) <input type="checkbox"/>    |
| Options Book-Depth Supported 1                               | Request for Quote (RFQ) <input type="checkbox"/>       |
| Implied Price and Quantity Display <input type="checkbox"/>  | Indicative Prices <input type="checkbox"/>             |
| FIX/FAST <input type="checkbox"/>                            | Request for Cross (RFC) <input type="checkbox"/>       |
| <b>Order Type</b>  | Give-Ups <input type="checkbox"/>                      |
| Market (with Protection) <input checked="" type="checkbox"/> | Route-Through <input type="checkbox"/>                 |
| Limit <input checked="" type="checkbox"/>                    | Mutual Offset <input type="checkbox"/>                 |
| Stop with Protection <input checked="" type="checkbox"/>     | Maximum Show Quantity <input type="checkbox"/>         |
| Stop Limit <input checked="" type="checkbox"/>               | Drop Copy <input type="checkbox"/>                     |
| Market Limit <input type="checkbox"/>                        | <b>User Defined Spreads</b>                            |
| Minimum Quantity <input type="checkbox"/>                    | Display Combos <input type="checkbox"/>                |
| Hidden Quantity <input type="checkbox"/>                     | Create Combos <input type="checkbox"/>                 |
| <b>Order Qualifiers</b>                                      | Display Covereds <input type="checkbox"/>              |
| Day <input checked="" type="checkbox"/>                      | Create Covereds <input type="checkbox"/>               |
| Good Till Cancel (GTC) <input checked="" type="checkbox"/>   | <b>Market Maker Functionality</b>                      |
| Good Till Date (GTD) <input type="checkbox"/>                | Mass Quotes <input type="checkbox"/>                   |
| Fill and Kill (FAK) <input type="checkbox"/>                 | Market Maker Protections <input type="checkbox"/>      |
| FAK with Minimum Quantity <input type="checkbox"/>           | Quote Cancel - All <input type="checkbox"/>            |
| <b>FCM/IB Services:</b>                                      | Quote Cancel - per Group <input type="checkbox"/>      |
| Clearing Services <input type="checkbox"/>                   | Quote Cancel - per Instrument <input type="checkbox"/> |
| Brokerage / Trading Services <input type="checkbox"/>        |  |

## Front-End System Provided Functionality

### CME Globex-Supported Functionality by Market

#### Futures

|                         |                                     |
|-------------------------|-------------------------------------|
| Equities                | <input checked="" type="checkbox"/> |
| Foreign Exchange (FX)   | <input checked="" type="checkbox"/> |
| Interest Rates          | <input checked="" type="checkbox"/> |
| Commodities             | <input checked="" type="checkbox"/> |
| Alternative Investments | <input type="checkbox"/>            |
| OneChicago              | <input type="checkbox"/>            |
| NYMEX                   | <input checked="" type="checkbox"/> |
| COMEX                   | <input type="checkbox"/>            |
| KCBT                    | <input type="checkbox"/>            |
| MGEX                    | <input type="checkbox"/>            |
| BMFBOVESPA              | <input type="checkbox"/>            |

#### Options

|                           |                                     |
|---------------------------|-------------------------------------|
| Equities                  | <input checked="" type="checkbox"/> |
| FX                        | <input checked="" type="checkbox"/> |
| Interest Rates            | <input checked="" type="checkbox"/> |
| Commodities               | <input checked="" type="checkbox"/> |
| Alternative Investments   | <input type="checkbox"/>            |
| Volatility-Quoted Options | <input type="checkbox"/>            |
| NYMEX                     | <input type="checkbox"/>            |
| COMEX                     | <input type="checkbox"/>            |
| KCBT                      | <input type="checkbox"/>            |
| MGEX                      | <input type="checkbox"/>            |
| BMFBOVESPA                | <input type="checkbox"/>            |

#### Supported Maturities

|             |                                     |
|-------------|-------------------------------------|
| Weeklies    | <input type="checkbox"/>            |
| Serials     | <input type="checkbox"/>            |
| Quarterlies | <input checked="" type="checkbox"/> |

#### RFQ and Trade Display

|                            |                          |
|----------------------------|--------------------------|
| Ability to Show all RFQ's  | <input type="checkbox"/> |
| Ability to Show all Trades | <input type="checkbox"/> |

## Front-End System Provided Functionality

### CME Globex-Supported Spread Functionality

#### Futures Spreads

- Calendar
- Horizontal
- Pack
- Month Pack
- Pack Spread
- Pack Butterfly
- Bundle
- Bundle Spread
- Double Butterfly
- Condor
- Intercommodity
- Strip
- 1:1 Crack
- Silver Calendar
- Reduced Tick
- Butterfly

#### Handhelds

- Handheld/Mobile Device
- Handheld/Tablet via CME
- Trading Floor Wireless Network

#### Options Spreads

- Any option spreads?
- Straddle
- Strangle
- Vertical
- Horizontal
- Butterfly
- Risk Reversal
- Ratio 1x2
- Ratio 1x3
- Ratio 2x3
- Condor
- Christmas Tree
- Strip
- Horizontal Straddle
- Double
- Conditional Curve
- Straddle Strip
- Generic
- 3-Way
- Maximum Number of Spread Legs Supported
- Box
- Modified Butterfly
- Iron Condor

## Front-End System Provided Functionality

### Front-End System Provided Functionality

|  |                                     |                                 |
|--|-------------------------------------|---------------------------------|
| Algorithmic or Automated Trading Module    | <input type="checkbox"/>            | Other Functionality:            |
| ASP or Hosted Solution                     | <input type="checkbox"/>            |                                 |
| Automated Spreading Module                 | <input type="checkbox"/>            |                                 |
| Delta-based Risk Management Module         | <input checked="" type="checkbox"/> |                                 |
| DMA Risk Management Module                 | <input checked="" type="checkbox"/> |                                 |
| FIX API                                    | <input type="checkbox"/>            |                                 |
| Internet-delivered Thin Client Application | <input checked="" type="checkbox"/> | Available Trading Applications: |
| Real-Time Support for Microsoft Excel®     | <input checked="" type="checkbox"/> |                                 |
| Real-Time Trading Simulator                | <input type="checkbox"/>            |                                 |
| Risk Management Module                     | <input type="checkbox"/>            |                                 |
| Synthetic Order Types                      | <input checked="" type="checkbox"/> |                                 |
| System API                                 | <input type="checkbox"/>            |                                 |
| Professional Services and Consulting       | <input type="checkbox"/>            |                                 |
| Integrated Charting and Analytics          | <input checked="" type="checkbox"/> |                                 |

### Clearing 360 Support

|   |                          |
|---|--------------------------|
| Block and OTC Trade Submission via Clearing 360 API | <input type="checkbox"/> |
|---|--------------------------|