

Quote

Quote pages are used to display price information for market symbols. Custom Quote pages are used to organize your symbols. Any symbol from any market group can be placed on a custom quote page. Ensign also sorts your symbols into several market group quote pages. The market group pages list the symbols in alphabetical order. For example, all the Nasdaq stock symbols that you follow will be listed in the 'Nasdaq' market group.

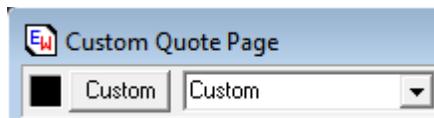
To display a quote window click the Quotes button from the main Toolbar, or select **File | Quotes** from the menu. Multiple quote windows can be open at the same time if needed. A quote window can be used to develop custom quote pages, access charts, export quotes, display a ticker tape, find news stories, view Time & Sales, and create a link to an Excel spreadsheet. A listing of the Top-100 symbols in several categories can also be requested.

Symbol	Last	Net	High	Low	Open	Volume	T-Volume	Bid	Bid Size	Ask	Ask Size
\$CDMP	4437.24	-0.62	4450.06	4421.46	4437.53	96,425,384	32,631				
\$INDU	13016.09	-22.18	13049.09	12970.00	13035.85	77,492,966	9,100	11995.70		11998.40	
\$DEX	623.67	0.94	625.35	620.50	622.33		1				
\$SPX	1370.05	0.95	1373.91	1363.94	1368.79		1				
\$TICK	522		522	-1064	-330		1				
\$TRIN	1.04		1.42	0.72	1.42		1				
AAPL	569.30	4.05	572.77	561.23	561.50	15,989,528	100	345.13		345.17	
ADL	24.80	0.55	24.94	23.58	23.88	1,333,896	100	23.85		23.86	
CSCO	19.09	-0.03	19.26	19.00	19.02	32,159,454	100	21.40		21.41	
DELL	15.83	0.02	15.92	15.55	15.65	9,715,287	100	13.80		13.81	
DIS	43.84	0.91	43.95	43.31	43.65	11,081,788	100	39.55		39.56	
F	10.68	0.0050	10.79	10.52	10.53	31,480,566	100	18.31		18.32	
IBM	203.94	-1.05	204.77	202.90	203.96	3,081,917	100	161.57		161.61	
INTC	27.82	-0.08	27.98	27.65	27.83	35,115,119	100	21.82		21.83	
GOOG	1075.40	-3.32	1080.93	1067.54	1078.00	714,347	100	1075.03	1	1075.52	1
MSFT	131.23	-0.88	131.97	130.71	131.40	9,882,042	100	131.22	3	131.23	11

NYSE	Nasdaq	Canadian	Other Stk	SOOptions	GovBond	Corporate	Municipal	Level II	StockFut	 Up Net
Index	Forex	Futures	Other Fut	FOOptions	Spreads	Statistics	Funds	Cash	 Down	

Custom Variables Dow30 Nasdaq100 SP500

Custom Quote Page



Custom Quote pages are used to place a variety of symbols on one page. This allows traders to group similar symbols into one location. Any symbol from any market group can be placed on a custom quote page, and in any order.

Creating and Using Custom Quote Pages

The **Custom** button and the adjacent drop down list box (in the top left corner of a quote window) are used to display and create custom quote pages. Custom quote pages are created by simply typing a new page name in the custom quote drop down list box. For example, to create a custom quote page named MYSTOCKS, click the mouse in the drop down list box and type in the word MYSTOCKS. Press the **Enter** key to complete the entry. The page will be cleared in preparation for symbols to be entered and arranged on the new page. A file on the hard disk will be created named MYSTOCKS.QUO. Only the first eight characters of your custom quote page name will be used for the filename. Therefore, do not use multiple custom quote pages that share the first eight characters.

A new custom quote page Tab labeled MYSTOCKS will appear at the bottom of the quote window. The tabs are used to quickly display different custom quote pages. Click on a tab to switch to the indicated custom page. The tabs can be rearranged by dragging a tab left or right.

Click on the **Custom** button to display the custom quote page shown in the drop down list box. The custom page shown in the drop down list box can be changed by clicking on the box's down arrow and selecting a different page.

Note: Ensign Windows is installed with a custom quote page named 'Custom'. This custom page can be deleted, renamed, or used as desired. Also, typing a new name over the previously displayed name in the drop down list box does not harm or remove the previous custom quote page.

Entering Symbols on a Custom Page

There are two ways to enter symbols on a custom page, 1) manually typing the symbols from the keyboard, or 2) using the mouse to select and transfer symbols from market group quote pages.

1) Click the **Add Symbol** button to manually enter symbols. An entry window will appear that allows symbols to be typed. Type in a symbol and then press **Enter**. The symbol will be inserted into the custom quote page at the cursor location. The entry window will not close until the **OK** or **Cancel** button is clicked. Several symbols can be entered, one after another, to populate the custom page. 'Blank' rows can be entered by pressing the space bar and then **Enter**. Titles or Headings can be entered on a quote row by preceding the entered text with a space character. For example, entering ' GRAINS' will add the word GRAINS to the quote row.

The entry window allows 2 wildcard characters to be used when making symbol entries ('?' and '*'). The wildcard characters can be used to transfer several similar symbols to the custom quote page at the same time. The '?' character will substitute for any symbol character in the indicated character position. For example, an entry of ES?0 will add all symbols to a custom quote page that contain ES?0 plus one more character (ex. ESH0, ESM0, ESU0, etc.). The '*' character will match on the remainder characters of any symbol. For example, an entry of OEX* will add all symbols to a custom quote page that contain OEX plus any other letters or numbers (ex. OEXHA, OEXHB, OEXHC, etc.). Make sure that wildcard entries are made carefully to avoid unnecessary matches.

For example, an entry of A* would add every stock, option, future, etc., that begins with the letter 'A' to the custom quote page.

2) Transfer a symbol to a custom quote page with the mouse by doing the following: a) select a market group, b) locate and select a symbol, c) click the **Transfer** button on the quotes button bar. The symbol will be transferred (copied) to the custom page shown in the drop down list box. Transferring symbols can also be accomplished by selecting **Quotes | Transfer to Custom** from the menu. To transfer several adjacent symbols from a market group to a custom quote page, drag the mouse over all the symbols to select them, and then click **Transfer** to transfer the selected symbols.

Using Relative References for Futures Symbols

Symbols from the 'Futures' market group can be added to a custom quote page by using a relative reference. The relative reference determines what the spot or lead month contract is, and displays the symbol in relation to the lead contract. This feature allows custom quote pages to be created for futures symbols without having to reorganize the page whenever a contract expires. The symbols will simply roll-up the page when the lead month expires.

A relative reference includes the futures symbol and the # character. For example, an entry of SP# is equal to the lead month for the S&P 500 futures contract. An entry of SP#1 equals the next contract out (lead contract plus one). An entry of SP#2 equals the next contract out, and so forth. Relative entries can be made for contracts as far as three years ahead. For example, an entry of CL#6 would equal the Crude Oil contract that is 6 contract months out in the future.

To enter relative references for futures symbols on a custom quote page click the **Add Symbol** button. Type the relative references in the entry window. Press **Enter** between each entry. For example, the front 4 contract months of US Bonds would be entered as US#, US#1, US#2, and US#3. Making these entries would cause the custom quote page to always display the front 4 contract months for US Bonds, regardless of the expirations.

Ensign Windows determines the correct contract month to display by using the continuation chart 'Month' table from the 'Market Hours' set-up screen. Select **Set-Up | Market Hours** to view or change the months associated with a future symbol's continuation chart roll-out schedule.

Sorting Symbols on a Custom Quote Page

Symbols that are entered on a custom quote page can be sorted in several ways. Symbols can be sorted Alphabetically, by Market Group, Up %, Down %, % Off High, % Off Low, % Range (similar to Fast Stochastic), by Volume, and by %Ave Volume (for DTN and Quote.com users). Select **Quotes | Sort** from the menu to specify the sorting desired.

Renaming or Deleting a Custom Quote Page

To rename a custom quote page, select **Quotes | Rename Custom Page** from the menu and then enter a new name. To delete a custom quote page, display the custom quote page and then select **Quotes | Delete Custom Page** from the menu. The custom quote page shown in the drop down list box will be deleted.

Market Group Quote Windows

Market Group Quote windows display the current price information for symbols of the same market group (ex. NYSE, Nasdaq, Futures, Index, etc.). A button bar at the bottom of the quote window is used to display quotes for different market groups. For example, click the **Nasdaq** button to view all the Nasdaq stock symbols that you are following.

NYSE	Nasdaq	Canadian	Other Stk	SOptions	GovBond	Corporate	Municipal	Level II	StockFut
Index	Forex	Futures	Other Fut	FOptions	Spreads	Statistics	Funds	Cash	

NYSE	New York Stock Exchange and American Stock Exchange symbols
Nasdaq	Nasdaq Stocks
Canadian	Canadian Stock Exchange symbols
Other Stk	Other Stock exchanges around the world
SOptions	Stock Options
GovBond	Government Bond quotes
Corporate	Corporate Bond quotes
Municipal	Municipal Bond quotes
Index	All the Index symbols for various exchanges and symbols
Forex	Cash and Forex symbols
Futures	U.S. Futures exchanges and symbols
Other Fut	Futures exchanges and symbols for other world markets
FOptions	Futures options for U.S. markets
Spreads	Futures spread symbols
Statistics	Statistic symbols for different stock exchanges (example, Advancing Issues)
Funds	Mutual Funds
Cash	Cash symbols

Adding a Symbol into a Market Group

To add a new symbol to a market group quote page select **Quotes | Add Symbol** from the menu. Type the symbol to insert and then press **Enter** or click the **OK** button. Make sure that symbols are added into the proper market group. For example, don't add stock symbols into the 'Futures' market group. The newly added symbol will sort alphabetically into the market group quote list.

Finding a Quote

To view a quote for a symbol, select a market group by clicking on a market group button at the bottom of the quote page. For example, to view a quote for 'IBM' click on the **NYSE** market group button (New York and American Stock Exchanges). The symbols in the 'NYSE' market group will be displayed in alphabetical order. Use the vertical scroll bar to scroll down to the 'IBM' symbol. The computer keyboard can also be used to type **IBM**. As each letter is typed the quote page will sort down to the 'IBM' symbol.

Quote Columns and Rows

The quote window displays several columns of price data for each symbol (ex. High, Low, Last, etc.). The columns can be moved and rearranged by dragging the column titles to a new location with the mouse. For example, to move the 'High' column to a different location, click on the word 'High' and

drag the mouse left or right to the desired location. The column will be repositioned when the mouse button is released. The width of each column can be adjusted by dragging the separator line between column titles. To reset all the columns to a default width select **Quotes | Reset Column Widths** from the menu.

Each row on the screen displays a different symbol. The rows on 'Custom' quote pages can be moved or rearranged by dragging the symbol to a new row. For example, if IBM were listed on a custom quote page, it could be moved down the page by clicking on the word IBM and then dragging the mouse down to a different row location.

Column Titles

The title that is displayed for a column can be changed by double-clicking on the column title. A selection window will appear after double-clicking on the column title. For example, to change the 'High' column to display the 'Bid' prices instead, double-click on the word 'High' and then select 'Bid' from the pop-up selection window. Changing the column titles can also be accomplished by using the drop down list box on the right edge of the quote window button bar. Select a column title from the drop down list box to change the title of a selected column. To clear (blank out) a column, click on the column and then select Clear from the drop down box.

The following column titles are available for quote display (if the data-feed contains them):

%Change, % Off High, % Off Low, % Off Open, %Range, 52 Week High, 52 Week Low, Arrows, Ask, Ask Size, Ask Time, Ask Yield, Bid, Bid Size, Bid Time, Bid Yield, Clear, Dividend, Down, EPS, Expiration, Gap, High, Interval, Last, Low, Market, MidBidAsk, Name, Net, Net Bid, Net High, Net Low, Net Open, Open, Open Interest, PE Ratio, Range, Scale, Spread, Strike, T-Counter, Total, T-Time, T-volume, Unchanged, Up, Volume, Xdiv Date, Yesterday, Yield. Note: The Up, Down, Unchanged, and Total price fields display 'Statistic' quotes.

In addition, DTN IQFeed users will have the following fields: Assets, Liability, Volatility, Capitalize, Long Term Debt, Shares Outstanding, and Trade Date.

Calculations:

% Off High	$(\text{High} - \text{Last}) / \text{Last}$
% Off Low	$(\text{Last} - \text{Low}) / \text{Low}$
% Off Open	$(\text{Last} - \text{Open}) / \text{Open}$
% Range	$(\text{Last} - \text{Low}) / (\text{High} - \text{Low})$, this is a raw Stochastic for Today's range
Gap	Open - Yesterday's Close
Mid Bid/Ask	$(\text{Bid} + \text{Ask}) / 2$
Net Bid	Bid - Yesterday's Close
Net High	High - Last
Net Low	Last - Low
Net Open	Last - Open
Range	High - Low
Spread	Ask - Bid
Yesterday	Yesterday's Close

Deleting a Symbol

To delete symbols from a quote page, select the row (or several rows) and then select **Quotes | Delete Row** from the menu, or press the **Delete** key on the computer keyboard. To delete every symbol in a market group select **Quotes | Clear Market Group** from the menu. Clearing the whole market group deletes expired or corrupted symbols and frees-up room for new symbols. The market group will rebuild with new symbols as they trade and are inserted back into the quote page. To clear

the price values on a single row, select **Quotes | Clear Row** from the menu. This will clear the prices for the selected row only. This can be useful if the prices were somehow corrupted and need to be reset.

Background Color of Quote Page

To change the color of a quote window select **Window | Set Window Color**. To change the font, font size, and font color select **Window | Set Window Font** from the menu.

Changing the Quote Page Format

Click the **Format** button or select **Quotes | Format** from the menu to toggle the quote page format from a vertical format to a horizontal format. The default format displays symbols in a vertical format, with the symbols listed down the left edge of the window. Clicking the **Format** button will toggle to a horizontal format, with the symbols listed horizontally across the window. The first 4 columns of price data (from the vertical format) will be displayed in the horizontal format. Drag and arrange the columns so that the horizontal format will display the desired 4 price fields. Click **Format** again to toggle back to the vertical format.

Opening a Chart from a Quote Window

There are multiple ways to Open a chart from a quote window.

- 1) Double-click the mouse on any symbol in the quote window (uses default time frame).
- 2) Select a symbol and then press the '=' equal sign key on the keyboard (uses default time frame).
- 3) Select a symbol and then click the chart Times button on the chart Toolbar.
- 4) Press Ctrl-1 through Ctrl-0, or Ctrl- - or Ctrl- = Top row of keyboard. Displays a chart for the selected symbol, using one of the first 12 time frames from the Time Frames button panel.

Note: The 'Double-Click default time frame' is specified in the charts set-up screen. Select **Set- Up | Charts** from the menu to view and edit the double-click time frame.

Browsing Charts from the Quote Window

Once a chart has been opened from a quote window, the **Home** and **End** keys on the keyboard will display charts for the next symbols in sequence on the quote window (up or down). Browsing up and down through the quote window symbols is a convenient way to quickly look at all the charts on a custom quote page. Press the **Home** key to display the chart for the preceding symbol up the quote page. Press the **End** key to display a chart for the next symbol down the quote page.

If a chart is opened directly from a symbol's market group quote page (like the 'NYSE' market group), then the **Home** and **End** keys will browse through only the visible symbols in the window. If a chart is opened from a 'Custom' quote page, then every symbol in the custom quote page can be browsed (even those symbols that are not currently visible in the quote window).

Editing Bad Quote Prices

Occasional reception of bad ticks or prices may corrupt the High or Low prices for a symbol. The daily price ranges in the quote page can be corrected by editing a Daily chart for the affected symbol. Display the daily chart and graphically edit the current day's bar by pointing to the correct price with the mouse. Once the mouse is positioned on the current bar, and at the correct High or Low price

level, right-click the mouse and select **Edit | Low** or **Edit | High** from the pop-up menu. You can also press **Ctrl-L** or **Ctrl-H** on the keyboard to edit the bar to the price that the mouse is pointing to. Note: For DTN satellite users, the easiest way to correct bad prices is to display the symbol on a quote page and then select **Quotes | Refresh Visible Rows** from the menu.

Copying Quotes and Symbols to the Clipboard

Select **Quotes | Copy to Clipboard** from the menu to save the currently displayed symbols and prices to the Windows clipboard. The first eight price columns will be copied to the clipboard. Once the quotes have been copied to the Windows clipboard, they can be pasted into Spreadsheet programs or other Windows applications. Only the visible symbols from the quote window will be copied to the Windows clipboard, except when using the Top-100 feature (all 100 symbols will copy to the clipboard). Select **Quotes | Symbols to Clipboard** from the menu to copy just a list of the symbols to the clipboard. This list can be pasted into the Internet Services 'Download' window for internet chart updating.

Showing News Stories

Select a symbol on a quote page and then click the **News** button from the quotes button bar to display any news stories that are related to the symbol. Selecting **Quotes | Show News Stories** from the menu will also accomplish the same task. A news window will open and display the news story titles that have been received that are related to the selected symbol. For example, selecting **IBM** on a quote page and then clicking the **News** button will display all news stories related to **IBM**. This feature is a quick link from a quote page to the news window. If there are no current news stories for a particular symbol then the news window will not be displayed.

Printing a Quote Window

Select **Quotes | Print Quotes** from the menu or click the **Print** button from the main Toolbar to print the currently displayed symbols to the printer. Only the symbols that are visible in the quote window will print. The first eight price columns will be printed if printing in Portrait mode. The first eleven price columns will be printed if printing in Landscape mode. To print an entire market group, save the market group to an ASCII file first, and then load and print the ASCII file from a word processor.

Settlement Prices

An asterisk character ****** will be placed next to a symbol's 'Net Change' value when a settlement price is received for the day. Settlement prices for futures and options are usually received within a half an hour after a market closes. Any symbol that has an asterisk in the 'Net Change' column is either settled for the day (after market hours), or hasn't traded yet that day.

Changing Net Change Colors

The color of 'Up' and 'Down' net change values can be customized and changed. Click on the square color box labeled 'Up Net' to select a color for positive net change prices. Click on the square color box labeled 'Down' to select a color for negative net change prices. The color boxes are located in the lower right corner of the quote window. The default colors are 'Green' for up nets and 'Red' for down nets.

Hiding the Quote Button Bar and Tabs

To hide the quotes button bar, click on the **Buttons** button or uncheck the **Quotes | Show Button Bar** menu item. This button is not shown in the Quote.com version of Ensign Windows. Hiding the button bar will provide more screen space for viewing quotes. To redisplay the button bar again, select **Quotes | Show Button Bar** from the menu or press the **ESC** key on the keyboard while the quote window is the active window.

To hide the custom quote page 'Tabs' at the bottom of the quote window, uncheck the **Quotes | Show Tabs** menu item. Select **Quotes | Show Tabs** from the menu to redisplay the tabs again.

Using the Keyboard on a Quote Window

Several keyboard keys can be used on a quote window. Press **ALT-Q** to access the quote menu selections. Press the **Page Up** and **Page Down** keys to scroll up and down through the quotes. Use the Up, Down, Right, and Left arrow keys to select rows and columns. Press the **Delete** key to delete a selected row. Press **Home** to jump to the first quote in the market group. Press **End** to jump to the last quote. Press the **Tab** key to change the keyboard focus on the market group buttons.