

# QNTX - Held NMS Stocks and Options Order Routing Public Report

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4th Quarter, 2022

October 2022

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## S&P 500 Stocks

### Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non-Directed Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	Other Orders as % of Non-Directed Orders
0.00	0.00	0.00	0.00	0.00

### Venues

Venue - Non-directed Order Flow	Non-Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	Non-Marketable Limit Orders (%)	Other Orders (%)	Net Payment Paid/Received for Market Orders(USD)	Net Payment Paid/Received for Market Orders(cents per hundred shares)	Net Payment Paid/Received for Marketable Limit Orders(USD)	Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Non-Marketable Limit Orders(USD)	Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/Received for Other Orders(cents per hundred shares)

Material Aspects:

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October 2022

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## Non-S&P 500 Stocks

### Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non-Directed Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	Other Orders as % of Non-Directed Orders
0.00	0.00	0.00	0.00	0.00

### Venues

Venue - Non-directed Order Flow	Non-Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	Non-Marketable Limit Orders (%)	Other Orders (%)	Net Payment Paid/Received for Market Orders(USD)	Net Payment Paid/Received for Market Orders(cents per hundred shares)	Net Payment Paid/Received for Marketable Limit Orders(USD)	Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Non-Marketable Limit Orders(USD)	Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/Received for Other Orders(cents per hundred shares)

Material Aspects:

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October 2022

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## Options

### Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non-Directed Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	Other Orders as % of Non-Directed Orders
100.00	0.00	7.07	1.13	91.80

### Venues

Venue - Non-directed Order Flow	Non-Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	Non-Marketable Limit Orders (%)	Other Orders (%)	Net Payment Paid/Received for Market Orders(USD)	Net Payment Paid/Received for Market Orders(cents per hundred shares)	Net Payment Paid/Received for Marketable Limit Orders(USD)	Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Non-Marketable Limit Orders(USD)	Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/Received for Other Orders(cents per hundred shares)
NYSE ARCA Options (ARCO)	73.87	0.00	0.00	51.79	79.83	0.0000	0.0000	0.0000	0.0000	59.6000	0.0000	2,573.6200	0.0000
Miami Intl Exchange (XMIO)	17.68	0.00	33.39	27.69	16.35	0.0000	0.0000	-35.0000	0.0000	-8.8000	0.0000	-432.5000	0.0000
CBOE Exchange (XCBO)	2.98	0.00	37.06	11.79	0.25	0.0000	0.0000	-56.1300	0.0000	-11.5650	0.0000	-2.4925	0.0000
Nasdaq Options (XNDQ)	1.43	0.00	0.00	8.72	1.45	0.0000	0.0000	0.0000	0.0000	30.3000	0.0000	-66.9300	0.0000
BOX Exchange (XBOX)	1.34	0.00	18.37	0.00	0.04	0.0000	0.0000	3.1300	0.0000	0.0000	0.0000	-0.1500	0.0000
Cboe BZX Options Exchange (BATO)	0.87	0.00	0.00	0.00	0.94	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-4.8700	0.0000
Cboe EDGX Options (EDGO)	0.77	0.00	10.29	0.00	0.04	0.0000	0.0000	-0.4800	0.0000	0.0000	0.0000	-0.6800	0.0000
Nasdaq OMX (XBOX)	0.31	0.00	0.00	0.00	0.34	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-53.2300	0.0000
Nasdaq PHLX (XPHO)	0.16	0.00	0.00	0.00	0.18	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-1.6600	0.0000
C2 Options Exchange, Inc. (C2OX)	0.13	0.00	0.00	0.00	0.14	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-24.7800	0.0000

Material Aspects:

## November 2022

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## S&P 500 Stocks

### Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non-Directed Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	Other Orders as % of Non-Directed Orders
0.00	0.00	0.00	0.00	0.00

### Venues

Venue - Non-directed Order Flow	Non-Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	Non-Marketable Limit Orders (%)	Other Orders (%)	Net Payment Paid/Received for Market Orders(USD)	Net Payment Paid/Received for Market Orders(cents per hundred shares)	Net Payment Paid/Received for Marketable Limit Orders(USD)	Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Non-Marketable Limit Orders(USD)	Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/Received for Other Orders(cents per hundred shares)
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Material Aspects:

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## November 2022

### Non-S&P 500 Stocks

#### Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non-Directed Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	Other Orders as % of Non-Directed Orders
0.00	0.00	0.00	0.00	0.00

#### Venues

Venue - Non-directed Order Flow	Non-Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	Non-Marketable Limit Orders (%)	Other Orders (%)	Net Payment Paid/Received for Market Orders(USD)	Net Payment Paid/Received for Market Orders(cents per hundred shares)	Net Payment Paid/Received for Marketable Limit Orders(USD)	Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Non-Marketable Limit Orders(USD)	Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/Received for Other Orders(cents per hundred shares)

#### Material Aspects:

## November 2022

### Options

#### Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non-Directed Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	Other Orders as % of Non-Directed Orders
100.00	0.00	4.57	0.36	95.07

#### Venues

Venue - Non-directed Order Flow	Non-Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	Non-Marketable Limit Orders (%)	Other Orders (%)	Net Payment Paid/Received for Market Orders(USD)	Net Payment Paid/Received for Market Orders(cents per hundred shares)	Net Payment Paid/Received for Marketable Limit Orders(USD)	Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Non-Marketable Limit Orders(USD)	Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/Received for Other Orders(cents per hundred shares)
NYSE ARCA Options (ARCO)	76.91	0.00	0.00	30.77	80.78	0.0000	0.0000	0.0000	0.0000	36.8000	0.0000	6,338.6800	0.0000
Miami Intl Exchange (XMIO)	14.60	0.00	35.97	61.54	13.40	0.0000	0.0000	-48.6500	0.0000	-5.9500	0.0000	-776.4000	0.0000
Nasdaq Options (XNDQ)	2.82	0.00	0.00	6.15	2.95	0.0000	0.0000	0.0000	0.0000	0.7500	0.0000	-76.8600	0.0000
CBOE Exchange (XCBO)	2.12	0.00	37.73	0.00	0.42	0.0000	0.0000	-42.4725	0.0000	0.0000	0.0000	-9.2600	0.0000
Cboe BZX Options Exchange (BATO)	1.33	0.00	0.00	1.54	1.40	0.0000	0.0000	0.0000	0.0000	4.0000	0.0000	36.3300	0.0000
BOX Exchange (XBOX)	0.82	0.00	15.74	0.00	0.11	0.0000	0.0000	35.8500	0.0000	0.0000	0.0000	-0.6300	0.0000
Cboe EDGX Options (EDGO)	0.46	0.00	9.54	0.00	0.03	0.0000	0.0000	-3.1200	0.0000	0.0000	0.0000	-4.4000	0.0000
Nasdaq PHLX (XPHO)	0.20	0.00	0.00	0.00	0.21	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-1.4000	0.0000
Nasdaq ISE (XISX)	0.18	0.00	0.43	0.00	0.17	0.0000	0.0000	-15.0300	0.0000	0.0000	0.0000	7.5000	0.0000
Nasdaq OMX (XBXO)	0.15	0.00	0.00	0.00	0.16	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-60.0700	0.0000

#### Material Aspects:

## December 2022

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### S&P 500 Stocks

#### Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non-Directed Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	Other Orders as % of Non-Directed Orders
0.00	0.00	0.00	0.00	0.00

#### Venues

Venue - Non-directed Order Flow	Non-Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	Non-Marketable Limit Orders (%)	Other Orders (%)	Net Payment Paid/Received for Market Orders(USD)	Net Payment Paid/Received for Market Orders(cents per hundred shares)	Net Payment Paid/Received for Marketable Limit Orders(USD)	Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Non-Marketable Limit Orders(USD)	Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/Received for Other Orders(cents per hundred shares)
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#### Material Aspects:

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## December 2022

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### Non-S&P 500 Stocks

#### Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non-Directed Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	Other Orders as % of Non-Directed Orders
0.00	0.00	0.00	0.00	0.00

#### Venues

Venue - Non-directed Order Flow	Non-Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	Non-Marketable Limit Orders (%)	Other Orders (%)	Net Payment Paid/Received for Market Orders(USD)	Net Payment Paid/Received for Market Orders(cents per hundred shares)	Net Payment Paid/Received for Marketable Limit Orders(USD)	Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Non-Marketable Limit Orders(USD)	Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/Received for Other Orders(cents per hundred shares)
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#### Material Aspects:

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## December 2022

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### Options

#### Summary

Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non-Directed Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	Other Orders as % of Non-Directed Orders
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Non-Directed Orders as % of All Orders	Market Orders as % of Non-Directed Orders	Marketable Limit Orders as % of Non-Directed Orders	Non-Marketable Limit Orders as % of Non-Directed Orders	Other Orders as % of Non-Directed Orders
100.00	0.00	2.70	1.57	95.73

#### Venues

Venue - Non-directed Order Flow	Non-Directed Orders (%)	Market Orders (%)	Marketable Limit Orders (%)	Non-Marketable Limit Orders (%)	Other Orders (%)	Net Payment Paid/Received for Market Orders(USD)	Net Payment Paid/Received for Market Orders(cents per hundred shares)	Net Payment Paid/Received for Marketable Limit Orders(USD)	Net Payment Paid/Received for Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Non-Marketable Limit Orders(USD)	Net Payment Paid/Received for Non-Marketable Limit Orders(cents per hundred shares)	Net Payment Paid/Received for Other Orders(USD)	Net Payment Paid/Received for Other Orders(cents per hundred shares)
NYSE ARCA Options (ARCO)	78.98	0.00	0.00	53.39	81.63	0.0000	0.0000	0.0000	0.0000	78.2000	0.0000	4,000.2800	0.0000
Miami Intl Exchange (XMIO)	15.22	0.00	39.48	23.00	14.40	0.0000	0.0000	-29.5500	0.0000	-11.9000	0.0000	-666.0500	0.0000
Nasdaq Options (XNDQ)	2.21	0.00	0.00	18.07	2.01	0.0000	0.0000	0.0000	0.0000	8.4000	0.0000	-18.8700	0.0000
CBOE Exchange (XCBO)	1.43	0.00	36.74	5.34	0.37	0.0000	0.0000	-23.9825	0.0000	-12.8500	0.0000	-7.0675	0.0000
Cboe BZX Options Exchange (BATO)	0.58	0.00	0.00	0.00	0.61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-11.5800	0.0000
BOX Exchange (XBOX)	0.46	0.00	14.98	0.21	0.06	0.0000	0.0000	1.6300	0.0000	-0.0400	0.0000	-0.3000	0.0000
Nasdaq ISE (XISX)	0.30	0.00	0.48	0.00	0.30	0.0000	0.0000	-3.0100	0.0000	0.0000	0.0000	2.3000	0.0000
Cboe EDGX Options (EDGO)	0.24	0.00	8.09	0.00	0.02	0.0000	0.0000	-0.4800	0.0000	0.0000	0.0000	-0.8800	0.0000
NYSE American Options (AMXO)	0.17	0.00	0.00	0.00	0.18	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-0.8000	0.0000
Nasdaq PHLX (XPHO)	0.17	0.00	0.00	0.00	0.18	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	-3.2600	0.0000

#### Material Aspects: