The Metro Millimeter Wave (MMW) offering utilizes a combination of millimeter wave and free-space optics technology to deliver ultra-low latency market data to Nasdaq customers in the Nasdaq Data Center as well as any of the major New Jersey metro trading hubs. Utilizing innovative wireless network technology, MMW delivers critical data up to 40% faster than any other fiber-based network.

**KEY BENEFITS**

- **UNPARALLELED SPEED**: MMW provides customers the quickest market data delivery option, enabling faster consumption of data for more effective decision-making.
- **FLEXIBILITY**: Receive one, two, or all of the low latency market data feeds at any of the remote data centers or at your co-located cabinet in Carteret.
- **MINIMAL INFRASTRUCTURE**: Nasdaq delivers market data feeds to co-located cabinets in Carteret using your existing Nasdaq hand-offs (10G, 10G Ultra or 40G) requiring no additional connectivity costs or new connection implementation.
- **QUICK TURN-UP**: New orders can be completed within 48 hours of client request.
KEY FEATURES

RAW EQUITY FEEDS IN CARTERET
Available raw multicast equities feeds include:

- **BATS MULTICAST PITCH (BZX and BYX)**
  - Expected latency of 98 microseconds*

- **DIRECT EDGE DEPTH OF BOOK (EDGA and EDGX)**
  - Expected latency of 92 microseconds*

- **NYSE OPENBOOK (Ultra)**
  - Expected latency of 193 microseconds*

- **NYSE ARCA (INTEGRATED BOOK XDP)**
  - Expected latency of 193 microseconds*

These market data feeds, in addition to others, are currently available via a fiber optic network for redundancy or primary use. MMW is expected to support additional market data feeds in the future based upon customer feedback.

REMOTE WAVE PORTS
Available raw multicast feeds include:

- **SECAUCUS, NJ**
  - 755 SECAUCUS ROAD (NY4 - EQUINIX)
    - **BX TOTALVIEW**
      - 92 microseconds*
    - **NASDAQ TOTALVIEW**
      - 92 microseconds*
    - **NASDAQ ESPEED DIRECT**
      - 92 microseconds*

- **SECAUCUS, NJ**
  - 275 HARTZ WAY (NY2 - EQUINIX)
    - **NASDAQ ESPEED DIRECT**
      - 98 microseconds*

- **WEEHAWKEN, NJ**
  - 300 BOULEVARD EAST (NJ2 - SAVVIS)
    - **BX TOTALVIEW**
      - 98 microseconds*
    - **NASDAQ TOTALVIEW**
      - 98 microseconds*

- **MAHWAH, NJ**
  - 1700 MACARTHUR BLVD (NYSE)
    - **BX TOTALVIEW**
      - 193 microseconds*
    - **NASDAQ TOTALVIEW**
      - 193 microseconds*

ADDITIONAL DETAILS CAN BE FOUND IN THE WIRELESS CONNECTIVITY FREQUENTLY ASKED QUESTIONS DOCUMENT.

* This is the one-way latency of the wireless network.

MORE INFORMATION
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