



STAY CONNECTED.
STAY PRODUCTIVE with



QX LIMITLESS WiFi 6 SERIES



Increase Efficiency

Adapt quickly to changing production demands with intuitive programming, WiFi 6 connectivity, and standalone mode that simplifies setup, line rebalancing, and deployment.



Improve Quality and Control

Ensure consistent fastening accuracy with closed-loop transducer control, real-time data monitoring, and seamless integration into MES and Fieldbus systems.



Enhance Operator Comfort

Reduce fatigue and support high-volume use with a lightweight, balanced design and built-in ETS to minimize torque reaction, and optional onboard scanning to streamline workflows.



Reduce Total Cost of Ownership

Eliminate the need for multiple tools, avoid unexpected software fees, and reduce unplanned downtime with a flexible platform designed for long-term reliability and easy service.

QX LIMITLESS WiFi 6 SERIES

The Ingersoll Rand® QX Limitless Series is a Wi-Fi 6-enabled transducerized fastening solution built for high-speed, precision assembly. It offers closed-loop torque control, real-time data, and flexible connectivity - including standalone mode - to simplify integration and boost productivity. With optional onboard accessories like barcode scanning, QX Limitless streamlines workflows and supports evolving Industry 4.0 operations.



FASTER, MORE RELIABLE PERFORMANCE WITH **WiFi6**

The QX Limitless platform enhances seamless, plant-wide connectivity across a broader range where access points share the same SSID and password. Incorporating dual band communication technology, the system helps to eliminate communication breakdowns in high-traffic work zones to ensure no loss in production.

- Improved coverage and roaming sensitivity maintains stable connections to eliminate dropouts
- Low-latency data transfer to reduce processing delays and ensure faster, more reliable operation
- Dual band communication seamlessly switches between 2.4 and 5 Ghz band
- Reduces limitation of communication distance between tools and controller

CONTROLLER FEATURES



Integrated wall mount

Configure up to 256 jobs & 32 Psets per tool

System Indicators

- Factory connection
- Wireless connection
- Link status
- Fault detected

Whiteboard & QR code

Integrated carrying handle

Holds 500,000 results and trace records

7" full-color touch screen

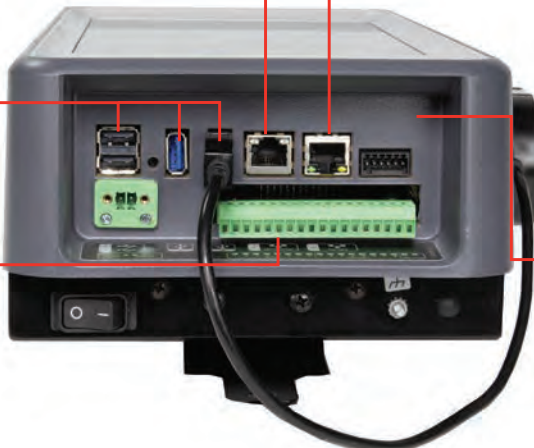
MTC OPTIONS

- Up to 10 Tools per controller
- Unlock Multi tool dashboard view
- Upgradeable software
- Backwards compatibility with INSIGHTqcx™ & QX™ tools

Ethernet ports
10/100/1000

4 USB Ports
(2) 2.0 ports
(2) 3.0 ports

7x7 Digital I/O



Supports:
PFOP | FRD-OP | VW-XML
AC-ToolsNet | Ethernet IP
Profinet | Fieldbus

SKU #	Tools to Pair
MTC-SW-OPT2	2
MTC-SW-OPT4	4
MTC-SW-OPT6	6
MTC-SW-OPT10	10

DIRECT TO NETWORK CONNECTIVITY

A controller-free architecture helps reduce line complexity and accelerate deployment for smarter assembly lines.

QX Limitless eliminates the need for a dedicated controller by enabling tools to communicate directly with Manufacturing Execution Systems (MES). This streamlined setup reduces the physical footprint, accelerates deployment, and enables real-time process visibility. With Open Protocol integration, manufacturers gain enhanced traceability, simplified rebalancing, and lower infrastructure costs—all while maintaining uncompromised fastening accuracy.

- **Reduce Hardware Footprint** - Direct MES communication eliminates the need for a dedicated controller and frees up valuable floor space.
- **Faster Setup & Rebalancing** - Simplifies installation and allows tools to move easily across lines.
- **Real-Time Quality Data** - MES feedback enhances traceability and speeds up troubleshooting.
- **Lower Total Cost** - Minimizes complexity and controller-related maintenance expenses.



SPECIFICATIONS

QX Limitless WiFi 6 Series

Model Number	Tool Configuration	Torque in-lbs	Torque Nm	Speed rpm	Weight lbs (kg)	Length in (mm)	Voltage	Drive	Communication	ETS
QXWD2PT004AQ04	Pistol	7-35	0.8-4	1500	2.1(0.97)	8.48 (215.4)	20	1/4" Quick Change	WiFi 6, 802.15.4, BLE & USB	
QXWD2PT004AS04	Pistol	7-35	0.8-4	1500	2.1(0.97)	8.2 (208.3)	20	1/4" Square Drive	WiFi 6, 802.15.4, BLE & USB	
QXWD2PT004AS06	Pistol	7-35	0.8-4	1500	2.1(0.97)	8.35 (212)	20	3/8" Square Drive	WiFi 6, 802.15.4, BLE & USB	
QXWD2PT008RQ04	Pistol	14-70	16-8	1150	2.1(0.97)	8.12 (206.3)	20	1/4" Quick Change	WiFi 6, 802.15.4, BLE & USB	YES
QXWD2PT008RS06	Pistol	14-70	16-8	1150	2.1(0.97)	7.99 (203)	20	3/8" Square Drive	WiFi 6, 802.15.4, BLE & USB	YES
QXWD2PT008AQ04	Pistol	14-70	16-8	1150	2.1(0.97)	8.48 (215.4)	20	1/4" Quick Change	WiFi 6, 802.15.4, BLE & USB	
QXWD2PT008AS04	Pistol	14-70	16-8	1150	2.1(0.97)	8.2 (208.3)	20	1/4" Square Drive	WiFi 6, 802.15.4, BLE & USB	
QXWD2PT008AS06	Pistol	14-70	16-8	1150	2.1(0.97)	8.35 (212)	20	3/8" Square Drive	WiFi 6, 802.15.4, BLE & USB	
QXWD2PT012RQ04	Pistol	21-106	2.4-12	750	2.1(0.97)	8.12 (206.3)	20	1/4" Quick Change	WiFi 6, 802.15.4, BLE & USB	YES
QXWD2PT012RS06	Pistol	21-106	2.4-12	750	2.1(0.97)	7.99 (203)	20	3/8" Square Drive	WiFi 6, 802.15.4, BLE & USB	YES
QXWD2PT012AQ04	Pistol	21-106	2.4-12	750	2.1(0.97)	8.48 (215.4)	20	1/4" Quick Change	WiFi 6, 802.15.4, BLE & USB	
QXWD2PT012AS04	Pistol	21-106	2.4-12	750	2.1(0.97)	8.2 (208.3)	20	1/4" Square Drive	WiFi 6, 802.15.4, BLE & USB	
QXWD2PT012AS06	Pistol	21-106	2.4-12	750	2.1(0.97)	8.35 (212)	20	3/8" Square Drive	WiFi 6, 802.15.4, BLE & USB	
QXWD2PT018AQ04	Pistol	32-159	3.6-18	500	2.1(0.97)	8.13 (206.5)	20	1/4" Quick Change	WiFi 6, 802.15.4, BLE & USB	YES
QXWD2PT018RS06	Pistol	32-159	3.6-18	500	2.1(0.97)	7.99 (203)	20	3/8" Square Drive	WiFi 6, 802.15.4, BLE & USB	
QXWD2PT018AQ04	Pistol	32-159	3.6-18	500	2.1(0.97)	8.48 (215.4)	20	1/4" Quick Change	WiFi 6, 802.15.4, BLE & USB	
QXWD2PT018AS06	Pistol	32-159	3.6-18	500	2.1(0.97)	8.35 (212)	20	3/8" Square Drive	WiFi 6, 802.15.4, BLE & USB	
QXWD2PT024RS06	Pistol	44-212	5-24	330	2.1(0.97)	8.35 (212)	20	3/8" Square Drive	WiFi 6, 802.15.4, BLE & USB	YES
QXWD2AT005AQ04	Angle	9-44	1-5	1213	2.5 (1.15)	2173 (552)	20	1/2" Quick Change	WiFi 6, 802.15.4, BLE & USB	
QXWD2AT010AS06	Angle	18-88	2-10	936	2.6 (1.19)	20.67 (525)	20	3/8" Sq Dr	WiFi 6, 802.15.4, BLE & USB	
QXWD2AT015AS06	Angle	27-132	3-15	600	2.6 (1.19)	20.67 (525)	20	3/8" Sq Dr	WiFi 6, 802.15.4, BLE & USB	
QXWD2AT018AQ04	Angle	32-159	3.6-18	500	3 (1.37)	2134 (542)	20	1/2" Quick Change	WiFi 6, 802.15.4, BLE & USB	
QXWD2AT018AS06	Angle	32-159	3.6-18	500	3 (1.37)	2134 (542)	20	3/8" Sq Dr	WiFi 6, 802.15.4, BLE & USB	
QXWD2AT027RS06	Angle	48-239	5.4-27	330	3.7 (1.69)	2173 (552)	20	3/8" Sq Dr	WiFi 6, 802.15.4, BLE & USB	YES
QXWD2AT027AS06	Angle	48-239	5.4-27	330	3.7 (1.69)	2173 (552)	20	3/8" Sq Dr	WiFi 6, 802.15.4, BLE & USB	
QXWD5AT020AS06	Angle	35-177	4-20	1045	4.5 (2.05)	22.74 (577.7)	40	3/8" Sq Dr	WiFi 6, 802.15.4, BLE & USB	
QXWD5AT030AS06	Angle	53-265	6-30	775	4.8 (2.19)	22.91(5818)	40	3/8" Sq Dr	WiFi 6, 802.15.4, BLE & USB	
QXWD5AT030AS08	Angle	53-265	6-30	775	4.8 (2.19)	22.91(5818)	40	1/2" Sq Dr	WiFi 6, 802.15.4, BLE & USB	
QXWD5AT035AS06	Angle	62-309	7-35	640	4.8 (2.19)	22.91(5818)	40	3/8" Sq Dr	WiFi 6, 802.15.4, BLE & USB	
QXWD5AT035AS08	Angle	62-309	7-35	640	4.8 (2.19)	22.91(5818)	40	1/2" Sq Dr	WiFi 6, 802.15.4, BLE & USB	
QXWD5AT040RS08	Angle	71-354	8-40	545	5.1(2.28)	23.07 (586.1)	40	1/2" Sq Dr	WiFi 6, 802.15.4, BLE & USB	YES
QXWD5AT040AS08	Angle	71-354	8-40	545	5.1(2.28)	23.07 (586.1)	40	1/2" Sq Dr	WiFi 6, 802.15.4, BLE & USB	
QXWD5AT080RS08	Angle	106-708	12-80	375	5.1(2.28)	23.07 (586.1)	40	1/2" Sq Dr	WiFi 6, 802.15.4, BLE & USB	YES
QXWD5AT080AS08	Angle	106-708	12-80	375	5.1(2.28)	23.07 (586.1)	40	1/2" Sq Dr	WiFi 6, 802.15.4, BLE & USB	
QC-SCANNER-1W	Barcode Scanner - Compatible with 20V and 40V QX Limitless WiFi 6 Series Tools									

Onboard Accessory Bus



Unlock more flexibility and ease of use with accessories that meet your specific application needs. QX Limitless is compatible with plug-and-play accessories, such as the Onboard Barcode Scanner, to maximize your manufacturing line's productivity.

- Optimize processes and eliminate manual scanning steps to reduce cycle times and improve efficiency.
- Unified compatibility to operate on 20V and 40V tools.



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