



**QX**  
S E R I E S

**PRECISION FASTENING SYSTEM**



QX Series Precision Screwdriver



QX Series Angle Wrenches

**REAL TOOLS FOR REAL WORK.™**



# Next-Generation Productivity.

The innovative QX Series is a revolutionary step for your entire facility, one that shows how a smarter tool can improve process control, operator comfort and data communication in a single package, while increasing productivity, lowering costs and ensuring a high-quality product at the end of your line—all at a price you can afford today.

Tools that put you in total control are the future of assembly. That future is here, that future is REAL.

## NOT JUST TORQUE CONTROL, BUT TOTAL CONTROL.

### Accuracy:

- Ingersoll Rand’s patented closed-loop transducer control at the heart of the tool delivers precise torque and accurate, traceable results—it’s precision where you need it most

### Control:

- A multi-function display module allows for quick setup and feedback on every QX Series tool
- Eight user-programmable configurations per tool for torque, angle and speed make it one tool that does the work of eight, reducing costs and workspace clutter

### Comfort:

- Compact, lightweight and ergonomically balanced so the operator can work without restraints
- Cordless and compact, the QX Series is designed for safe and clean operation

### Communication:

- A wireless communication option facilitated by Ingersoll Rand’s dedicated Process Communication Module (PCM) helps integrate the tool and the assembly line into a true plant-wide network
- Manage data, process control and the ability to adjust tool configurations in real time using Ethernet, Fieldbus or I/O



# A Technological Vision.

Ingersoll Rand’s design team started with a bold idea—to engineer a new class of advanced cordless fastening tools that could deliver closed-loop, multi-configuration control and precision at an affordable price. This idea has become a reality with the QX Series.

The QX Series Precision Screwdriver and Angle Wrench are designed with innovative technological features that set them apart from all other tools in their categories.

## The Building Blocks of Ingenious Engineering.

### Control:

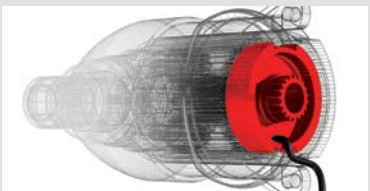
Multi-Function Display Module



- User-friendly display shows results and accepts programming inputs
- Up to eight user-programmable fastening configurations
- Stores cycle data for up to 1,200 rundowns

### Precision:

Patented Closed-Loop Transducer



- Accurately senses torque to manage the fastening cycle
- Ultimate process control
- Advanced strategies like angle control, prevailing torque and torque monitoring

### Power Management:

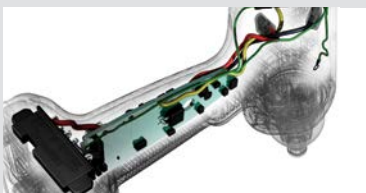
Digital Signal Processor



- Accurately controls motor for precision fastening
- Monitors torque, angle and motor current while communicating end-of-run data
- Eliminates the need for costly external controller

### Efficiency:

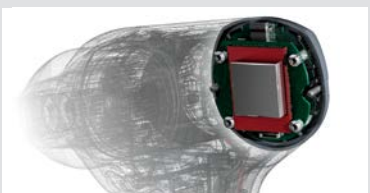
Advanced Power Board



- Controls DC motor to drive tools through user-programmed torque, angle and speed profiles
- Modulates power from lithium-ion battery to optimize performance

### Communication:

Intelligent Radio Board



- An optional feature that transmits end-of-run data wirelessly to the Process Communication Module (PCM)
- PCM transmits data to database or assembly line control system via Ethernet, Fieldbus or I/O

### Durability:

DC Brushless Motor



- Drives QX Series precision power train
- No brushes to wear out or leave carbon residue
- Efficient rare earth magnet motor designed for more than a million cycles



## Engineering The Future.

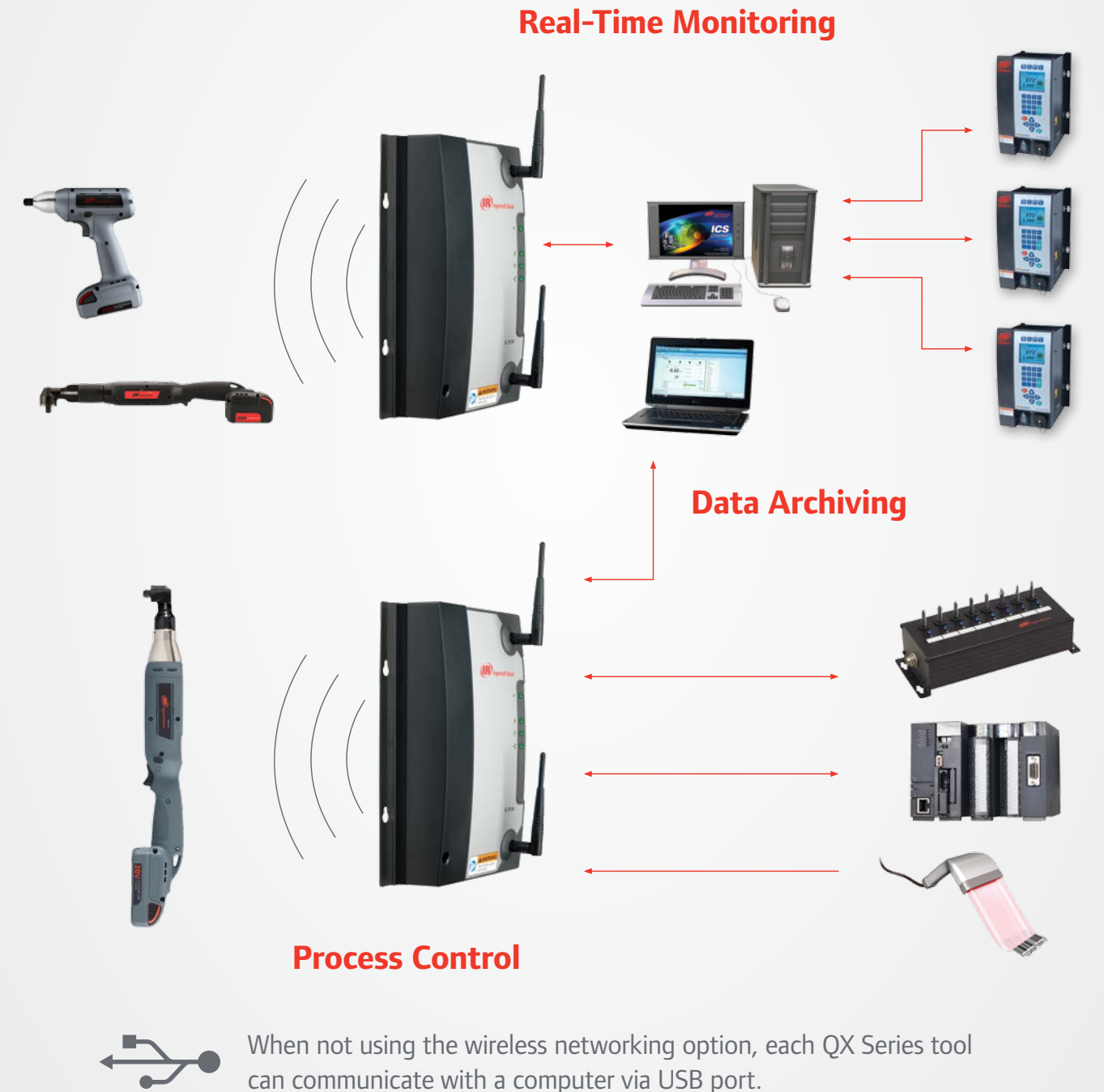


## A Plant-Wide Network for Plant-Wide Productivity.

Ingersoll Rand doesn't just give you unprecedented technology; we want to give you total control of that technology. Our Process Communication Module allows for control that translates into maximum productivity and efficiency.

### 10 to 1:

Every Process Communication Module can communicate with up to 10 individual QX Series tools.




























































Configured For Versatility.

The QX Series can be tailored to meet the needs of your lines.

QX Series Specifications

Model	CPN	 Nm	 rpm	 kg*	 mm*	 mm	 in	 Communication
QX Series Cordless Precision Screwdriver								
QXX2PT04PQ4	47104062	0.8–4	1,500	0.91	215.4	20.3–26.0	1/4" 	Wireless Enabled
QXX2PT04PS4	47104070	0.8–4	1,500	0.91	208.3	20.3–26.0	1/4" 	Wireless Enabled
QXX2PT04PS6	47104088	0.8–4	1,500	0.91	212.0	20.3–26.0	3/8" 	Wireless Enabled
QXX2PT08PQ4	47104005	1.6–8	1,150	0.91	215.4	20.3–26.0	1/4" 	Wireless Enabled
QXX2PT04PS4	47104013	1.6–8	1,150	0.91	208.3	20.3–26.0	1/4" 	Wireless Enabled
QXX2PT08PS6	47104021	1.6–8	1,150	0.91	212.0	20.3–26.0	3/8" 	Wireless Enabled
QXX2PT12PQ4	47103940	2.4–12	750	0.91	215.4	20.3–26.0	1/4" 	Wireless Enabled
QXX2PT12PS4	47103957	2.4–12	750	0.91	208.3	20.3–26.0	1/4" 	Wireless Enabled
QXX2PT12PS6	47103965	2.4–12	750	0.91	212.0	20.3–26.0	3/8" 	Wireless Enabled
QXX2PT18PQ4	47516834002	3.6–18	500	0.91	215.4	20.3–26.0	1/4" 	Wireless Enabled
QXX2PT18PS6	47516834004	3.6–18	500	0.91	212.0	20.3–26.0	3/8" 	Wireless Enabled
QXC2PT04PQ4	47104039	0.8–4	1,500	0.91	215.4	20.3–26.0	1/4" 	Via USB Cable
QXC2PT04PS4	47104047	0.8–4	1,500	0.91	208.3	20.3–26.0	1/4" 	Via USB Cable
QXC2PT04PS6	47104054	0.8–4	1,500	0.91	212.0	20.3–26.0	3/8" 	Via USB Cable
QXC2PT08PQ4	47103973	1.6–8	1,150	0.91	215.4	20.3–26.0	1/4" 	Via USB Cable
QXC2PT08PS4	47103981	1.6–8	1,150	0.91	208.3	20.3–26.0	1/4" 	Via USB Cable
QXC2PT08PS6	47103999	1.6–8	1,150	0.91	212.0	20.3–26.0	3/8" 	Via USB Cable
QXC2PT12PQ4	47103916	2.4–12	750	0.91	215.4	20.3–26.0	1/4" 	Via USB Cable
QXC2PT12PS4	47103924	2.4–12	750	0.91	208.3	20.3–26.0	1/4" 	Via USB Cable
QXC2PT12PS6	47103932	2.4–12	750	0.91	212.0	20.3–26.0	3/8" 	Via USB Cable
QXC2PT18PQ4	47516834001	3.6–18	500	0.91	215.4	20.3–26.0	1/4" 	Via USB Cable
QXC2PT18PS6	47516834003	3.6–18	500	0.91	212.0	20.3–26.0	3/8" 	Via USB Cable
QX Series Cordless Angle Wrench								
QXX2AT05PQ4	47510887005	1.0–5	1,213	1.14	552	9.2	1/4" 	Wireless Enabled
QXX2AT10PS6	47510887004	2.0–10	936	1.18	525	12.5	3/8" 	Wireless Enabled
QXX2AT15PS6	47510887003	3.0–15	600	1.18	525	12.5	3/8" 	Wireless Enabled
QXX2AT18PQ4	47510887002	3.6–18	500	1.27	542	13	1/4" 	Wireless Enabled
QXX2AT18PS6	47510887001	3.6–18	500	1.27	542	13	3/8" 	Wireless Enabled
QXX2AT27PS6	47515592002	5.4–27	330	1.68	552	17	3/8" 	Wireless Enabled
QXC2AT05PQ4	47510887010	1.0–5	1,213	1.14	552	9.2	1/4" 	Via USB Cable
QXC2AT10PS6	47510887009	2.0–10	936	1.18	525	12.5	3/8" 	Via USB Cable
QXC2AT15PS6	47510887008	3.0–15	600	1.18	525	12.5	3/8" 	Via USB Cable
QXC2AT18PQ4	47510887007	3.6–18	500	1.27	542	13	1/4" 	Via USB Cable
QXC2AT18PS6	47510887006	3.6–18	500	1.27	542	13	3/8" 	Via USB Cable
QXC2AT27PS6	47515592001	5.4–27	330	1.68	552	17	3/8" 	Via USB Cable
QX Series High Torque Angle Wrench								
QXX5AT20PS06	47517880007	4.0–20	1045	4.5	577.7	13.1	3/8" 	Wireless Enabled
QXX5AT30PS06	47517880006	6.0–30	775	4.8	581.8	17.2	3/8" 	Wireless Enabled
QXX5AT30PS08	47517880005	6.0–30	775	4.8	581.8	17.2	1/2" 	Wireless Enabled
QXX5AT35PS06	47517880004	7.0–35	640	4.8	581.8	17.2	3/8" 	Wireless Enabled
QXX5AT35PS08	47517880003	7.0–35	640	4.8	581.8	17.2	1/2" 	Wireless Enabled
QXX5AT40PS08	47517880002	8.0–40	545	5.0	586.1	21.6	1/2" 	Wireless Enabled
QXX5AT60PS08	47517880001	12.0–60	375	5.0	586.1	21.6	1/2" 	Wireless Enabled
QXC5AT20PS06	47517880014	4.0–20	1045	4.5	577.7	13.1	3/8" 	Via USB Cable
QXC5AT30PS06	47517880013	6.0–30	775	4.8	581.8	17.2	3/8" 	Via USB Cable
QXC5AT30PS08	47517880012	6.0–30	775	4.8	581.8	17.2	1/2" 	Via USB Cable
QXC5AT35PS06	47517880011	7.0–35	640	4.8	581.8	17.2	3/8" 	Via USB Cable
QXC5AT35PS08	47517880010	7.0–35	640	4.8	581.8	17.2	1/2" 	Via USB Cable
QXC5AT40PS08	47517880009	8.0–40	545	5.0	586.1	21.6	1/2" 	Via USB Cable
QXC5AT60PS08	47517880008	12.0–60	375	5.0	586.1	21.6	1/2" 	Via USB Cable

\*Weight and length do not include battery. Battery sold separately. Specifications are subject to change.

QX Series Process Communication Module (PCM)

	IC-PCM-2-EU	
Main Power Supply	84737-A499-PCM-5V (supplied) 100-240 V AC input - 5V DC output	•
Tool Connections	Wireless tool connections	10
Software	ICS Connect software	•
Communication	Ethernet to ICS	•
Fieldbus Options	Ethernet/IP, DeviceNet, Interbus-S, Profibus, Modbus-TCP	•
Protocols	Open Protocol, Ethernet EOR, Serial EOR, Profinet-Communication	•
Printers/Devices	Serial RS232, bar code, label printing	•
I/O	8 inputs/8 outputs, with behavior assignable through ICS software, operates at 24V DC	•
I/O Power Supply	84737-A499-PCM-24V (supplied) 100-240 V AC input - 24V DC output	•
Indicators	Power ON, System Ready, Wireless Activity, Ethernet Activity	•



Process Communication Module  
IC-PCM-2-EU  
CPN 24119638

Batteries

All QX Series tools are compatible with both the BL2010 and BL2005 batteries. The BL2010 is optimum for longer use applications, while the BL2005 is ideal for tighter spaces and reduced weight. The new QX Series IQV40 high torque tools utilize the BL4011 40V battery for increased torque and runtime.

IQ<sup>V40</sup> Series 40V, 2.5Ah  
Battery Charger  
BC1161  
CPN 47516653001



IQ<sup>V40</sup> Series 40V, 2.5Ah  
Lithium Ion Battery Pack  
BL4011  
CPN 47513319001



IQ<sup>V20</sup> Series 20V  
Battery Charger  
BC1120  
CPN 17028960



IQ<sup>V20</sup> Series 20V, 3.0 Ahr  
Lithium Ion Battery Pack  
BL2010  
CPN 48386791



IQ<sup>V20</sup> Series 20V, 1.5Ahr  
Lithium Ion Battery Pack  
BL2005  
CPN 48386783



BL2005 Battery Boot  
BL2005-Boot  
CPN 47510965001



BL2010 Battery Boot  
BL2010-Boot  
CPN 47510964001



Accessories



Boot  
VP1-Boot  
CPN 48411292



Bit Selector Tray  
IC-BIT-8  
CPN 45637113



Socket Selector Tray  
IC-Socket-8  
CPN 45491073



Communication Kit  
84737-Comm-Kit  
CPN 48414460



Torque Tester  
EXTT-30  
CPN 45654076



Spring Balancer  
BMD5-2  
CPN 92842152



Auxiliary Handle  
VP1-A48  
CPN 47107263



Bit Selector Tray Cables  
IC-19PIN-5M  
CPN 45491073  
  
IC-19PIN-10M  
CPN 45473048

Socket Selector Tray Cables  
IC-19PIN-6M  
CPN 45473048



Pistol Tool Suspension Bale  
VP1-365  
CPN 48382147

Angle Wrench Hanger Tool  
CPS2-A365  
CPN 45592979



Socket Kit  
SK3H8  
CPN 81280760



Angle Head Boots (based on tool angle head diameter)

25 mm 131996 CPN 53454716	28 mm 131995 CPN 53454708	35 mm 131997 CPN 53454724
43 mm GEA40-172 CPN 80095409	48 mm GEA40-173 CPN 80095789	56 mm GEA240-173 CPN 45533766



Ingersoll Rand (NYSE:IR) advances the quality of life by creating comfortable, sustainable and efficient environments. Our people and our family of brands—including Club Car®, Ingersoll Rand®, Thermo King® and Trane®—work together to enhance the quality and comfort of air in homes and buildings; transport and protect food and perishables; and increase industrial productivity and efficiency. We are a \$12 billion global business committed to a world of sustainable progress and enduring results.



[www.ingersollrandproducts.com](http://www.ingersollrandproducts.com)

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