SIMPLY PRODUCTIVE
WITH CONNECTIVITY.

CORDLESS PRECISION FASTENING SYSTEMS

The innovative QX Connect Series™ is simple for anyone to use. It offers flexibili[...]
configurations, and can manage everything from data and fast programming to m[...]
QX Connect Series™ increases productivity and lowers costs — all at a price you[...]

[...]ry or application, you can count on Ingersoll Rand as a trusted partner to help

QX Connect Series™
Precision Screwdriver

QX Serie[...]
1,000 Nm[...]

SIMPLE

- Multi-function display module for quick setup and feedback

- Compact, lightweight and ergonomically balanced so the operator can work without restraints

- The intuitive INSIGHT Connect app will help you stay productive & mobile on the plant floor via Bluetooth or wired connection.

FLEXIBLE

- Provides up to 32 fully programmable configurations on a single tool, reducing costs and workspace clutter

- Fast and intuitive programming makes the tool easily adaptable to any needed changes on your assembly line

- Cordless and portable, allowing for effortless movement around your facility

CAPABLE

- At the heart of every tool is the closed-loop transducer control that delivers precise torque and accurate, traceable results

- Available in a variety of configurations, including pistol grip, angle wrench, multiplied, and ETS

- Wireless & Bluetooth communication options enable flexible line integration, remote monitoring and simple system programming across a plant-wide network

- Manage cycle data, control the process, receive system status alerts and implement configuration adjustments in real time with INSIGHTqcx™ using

[...]Y DESIGN

CAPABLE

MEET YOUR REQUIREMENTS

- Performance that optimizes your productivity
- Durable designs, lower cost of ownership
- Advanced diagnostics identify problems and enhance safety

FLEXIBLE

EASILY IMPLEMENT CHANGE

- Easy line integration and rebalancing
- Multiple product options
- Connectivity options enable fast programming

Insight Connect App

ETS
(Ergonomic Tightening System)

Wireless

Bluetooth compatible

[...]ISE

[...]ED

[...]election, training
[...]ation costs

[...]e, ergonomic

[...]rder, fast

[...]atible

The QX Connect Series™ line of products give you closed-loop cont... process, and the ease of mobility with different connectivity options...

for programmable tightening strategies to deliver higher quality fastened j...

is unmatched by other solutions. The diversity of the QX Series™ lineup o...

capable solution for any fastening need.

FEATURES	QXFN	QXFD	QXBN	QXBD
Display & Keybad		Included		Included
Bluetooth			Included	Included
QXW Limitless Wireless Radio Connectivity to INSIGHTqcx™				
Wireless Zigbee 802.15.4 Capability				
Programmable with INSIGHT Connect via Bluetooth			Included	Included
Programmable with INSIGHT Connect and INSIGHT qcx via USB	Included	Included	Included	Included
ETS Optional	Included	Included	Included	Included
Number of PSETs	32*	32*	32	32

Symbol Key:
USB symbol =USB Communication
Bluetooth symbol= Bluetooth Communication
Wifi Symbol =Zigbee Communication

All models available in the following confi...
QXF-USB Communication, No Wireless Func...
QXB-Bluetooth Only
QXX- 802.15.4 Zigbee & Bluetooth
QXW-Wifi

Patented transducer control provides traceable results

USB port for convenient programming and data transfer

Bluetooth & wireless Connectivity options

...rive, ...e drive

Super bright LED headlight with programmable on and off times. *

Durable DC brushless motor tested beyond a million cycles

Optional wireless communications for process control and data collection

Non-contacting patented trigger and reverse switch for maximum durability

Ergonomic design, comfortable, lightweight and balanced

Optional Drive Modes for Reduced Reaction (ETS)

Lithium ion battery provides maximum run

/ offers ...able

tools needed in your bag or bench. The series also enhances the feedback prov... measured torque or angle results to the operator. The QXB models further add B... the tools via USB or wireless using the INSIGHT™ Connect app.

32.1 in

FEATURES

- Flexibility to utilize the same tool on multiple applications
- Program 32 PSETs configurations into one tool
- Visual torque validation on display
- Transducerized for precise torque measurement
- Closed-loop control of torque, speed and degrees of rotation
- Flexible Connectivity options with Bluetooth for simple programming using the INSIGHT Connect app or back of tool programming.
- Visual operator feedback using green, yellow and red lights
- Programmable preventative maintenance alarms
- Maintenance indicator for troubleshooting and diagnostics
- 1200 cycles of data storage

...ening configuration that can be programmed via USB using the INSIGHT ...o wireless communication and can only be programmed via USB using the

e measurement

eed and degrees

g the INSIGHT

reen, yellow and

ntenance alarms

shooting and

cessible via the

display option

y tool models

...QX Connect Series™ platform, with less the torque reaction.

What is ETS (Ergonomic Tightening System)

ETS stands for "Ergonomic Tightening System". QX + ETS delivers all the perform... the standard QX Series™ precision fastneing tools, with an improved erogomic b... average amount of fouce experienced by the operator during the tightening proce...

ETS Active   ETS Not Active

When ETS is Active, the operator's arm movement is limited to a series of smaller movements instead of one large movement.

QX + ETS reduces average reaction force experienced by the QX Series™ user up to

▶ **63%**

FEATURES

- Ergonomically enhanced motor control algorithm significantly reduces the average force experienced by the operator during the tightening process

- Red foot label provides clear indication of ETS tool identity vs standard QX tool

- Continuously flashing purple light above keypad provides operator assurance that ETS is ACTIVE

- All the capability of the QX platform, without the torque reaction

- Common software and battery platform for simple integration

- ETS features are available for all QX Connect models and available in pistol grip, low torque angle and high torque angle

- Onboard 'pulse' counter supports proper optimization and application of ETS tools on ideal applications (10 pulses or less per cycle)

SIMPLE SETUP

In addition to standard direct drive mode, each tool configuration can be independently programmed to...

Performance Mod... is the best all-purp...

...izing Zigbee wireless connectivity & tool programing may also utilize the

...egration into plant wide ...productivity and control

...ata collection capability

...ansmission of tightening data ...hernet, Fieldbus or I/O

...on multiple applications

...ne tool

...y

...e measurement

...eed and degrees

...g

...lisplay screen and green

...ntenance alarms

...eshooting and diagnostics

CONNECTIVITY

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.

• Dual Band Communication seamlessly switches between 2.4 and 5 Ghz Band
• Reduces Limitation of Communication distance between Tools and Controller

CONFIDENTLY SECURE

QX Limitless delivers greater confidence, connecting with the devices you need just as importantly, NOT the ones you don't need. As a single product, it complies multiple IT cybersecurity regulations, increasing data protection, restricting acces non-authorized devices, and providing ease of adoption across more systems.

COMPLETE CONTROL

The QX Limitless limits your hardware footprint by connecting more tools on a si This fast, reliable system delivers greater control over more tools, delivering quic transfer between devices and reducing installation costs. Plus, your tools are rea cycle much sooner, ensuring increased production efficiency.

• Connect Up to 10 Tools with INSIGHTqcx™ Controller
• Upto 40% reduction in Hardware footprint
• Faster data Transfer

SPECIFICATIONS

Product Family	QXWD
Torque Range	0.8-80 Nm
Tool Configuration	Pistol and Angle
Wireless Communication	WLAN + ZigBee + BLE
Band	2.4 and 5 Ghz (Dual Band)
Security Authentication	WPA/WPA2, EAP-TLS, EAP TTLS,PEAP
Ergonomic Tightening System	Optional

Plant Network

SCADA+MES

AP 1
AP 2
LAN

■ Program 32 Configuration on one tool

■ Visual Torque validation on display

■ With INSIGHTqcx™ complete integration to plant wide Ethernet network, for increased productivity and control

Control • Confidently Secure

...ler • Security Authentication

...xtended Coverage on Mesh Networks

mobile and in control of your f... any Ingersoll Rand® QX Conn... for additional technical training... permissions or a laptop comp... or tablet, operators can use th... torque and angle control confi... transducerized tools.

Once installed, the INSIGHT™ Connect app can operate offline, so it functions in large facilities or other locations where Internet signal loss may be a problem, reducing downtime and maximizing ease of use. The INSIGHT Connect App is a perfect companion to complement QX Connect Series™ tools*. With Bluetooth capability, the INSIGHT Connect App can communicate wirelessly via Bluetooth with the QX Connect tools.

You can quickly perform key tasks with your mobile device, including:

SIMPLE
- Common Setting & General Tool Setup
- Multiple Language Support
- Retrieve Cycle Log and Share via Email
- Audit Logs
- Error Codes with Description

FLEXIBLE
- Program All Standard QX Platform Tool
- Clone- Back Up and Restore
- Save and Load Configurations
- Firmware Update
- Virtual tool programming

C

...tical joints. Designed with a premium gearbox and an efficient, time-tested Multiplier is world-class in quality, control and programmable configurations

...llowing for quick setup and ...ool

...such as torque, angle and ...f tools needed when multiple

...shooting and diagnostics

...ake the tool easily adaptable

...vailable

...ariety of reaction arms for different applications. Reaction arms are available in both ...ending the on the size of the gearbox.
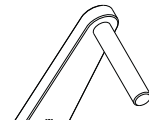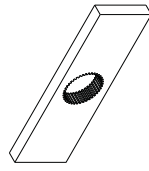
Plate and pin (multiple ...gths)

Double-sided
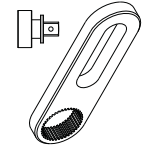
Sliding slave kit (multiple...
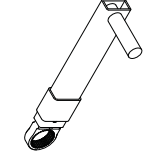
Sliding peg and yoke assembly (multiple lengths
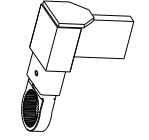
Sliding yoke, paddle and yoke assembly

Blank welding ring

...when trying to achieve a simple manufacturing goal is that
understanding the fastening process doesn't have to be compl...
INSIGHTqcx™ is different, by design. This cordless controller is...
integrate, while providing a common platform to meet your ass...

With the new Multi Tools Controller (MTC) software option, you...
up to 6 tools with just one INSIGHTqcx™ controller. Ingersoll R...
QX Series™ & INSIGHTqcx™ MTC controller provides some of...
market, with one of the lowest total costs of ownership & cost p...

SIMPLE
EXPERTISE NOT REQUIRED

FLEXIBLE
EASILY IMPLEMENT CHANGE

WHAT DOES THIS MEAN TO ME?

EXPERTISE NOT REQUIRED	EASILY IMPLEMENT CHANGE
■ Save on selection, training and installation costs	■ Reduce line rebalancing costs
■ Reduce errors and downtime	■ Easy line integration
■ Remove user dependencies	■ Remove device dependency

HOW DOES INGERSOLL RAND PROVIDE VALUE?

SIMPLE	FLEXIBLE
■ Intuitive, visual programming interface	■ Web based programming use any operating system via any browser
■ Plug and play accessories and protocols	■ Meets current industry communication needs
■ Integrated backup and recovery	■ Integrated logic controls
■ Bundled controller options	■ Easy hardware and software upgrades
■ Easy Wireless Pairing (up to 6 tools with MTC option)	■ Onboard wireless energy scan
■ Tightening configurations can be shared between tools (MTC)	

SIMPLY INSIGHTFUL

...er is the perfect solution to simply increase the flexibility of your QX pistol
...erages the closed-loop capability of the QX tool to the most unique applications.
...meet the requirements of applications where restricted access requires a custom
...n applications requiring a special head adapter, include assembling aircraft
...ars and trucks.

SIMPLE
Ready made and easy to install

FLEXIBLE
Use your QX pistol grip tool for unique applications

CAPABLE
Employ closed-loop control capabilities on specialty applications

SIMPLY INSIGHTFUL

needs. QX Precision Fastening Systems are compatible with a variety of plug and
productivity for your manufacturing line.

ACCESSORIES FOR ANY APPLICATION

- Battery chargers
- Battery packs
- Boots
- Bit selector trays

- Socket selector trays
- Suspension bales
- Auxiliary handles
- Selector tray cables

- Torque tester
- Spring balancer
- Socket selector tray

IQV20™ Series 20V
Battery Charger
BC1121

IQV20™ Series 20V, 5.0Ahr -
Lithium-Ion Battery
BL2022

IQV20™ Series 20V
2.5Ahr- Lithium-Ion
Battery Pack - BL2022

IQV40™ Series 40V,
2.5Ah - Battery Charger
BC1161

IQV40™ Series 40V,
2.5Ah - Lithium-Ion
Battery Pack

Boot

Auxiliary
Handle

Bit Selector Tray

Selector Tray
Cables

Socket Selector
Tray

Torque Tester

Spring
Balancer

Integrated carrying
handle

Holds 500,000
records for results
& trace

7-in full color touch
screen

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

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

MTC OPTIONS
- Up to 6 tools per controller
- Unlock Multi tool dashboard view
- Upgradeable software
- Backwards compatibility with
  INSIGHTqcx™ & QX™ tools

Controller model info on page 23

SIMPLE   FLEXIBLE   CAPABLE

Model: Pistol

Model: Pistol	Torque in-lbs	Torque Nm	rpm	Weight lbs (kg)	Length in (mm)	to center distance in (mm)	Voltage	Drive
QXBN2PT004PQ04	7–35	(0.8–4)	1,500	2.0 (0.91)	8.48 (215.4)	0.8–1.0 (20.3–26.0)	20V	1/4" Quick Chang
QXBN2PT004PS04	7–35	(0.8–4)	1,500	2.0 (0.91)	8.2 (208.3)	0.8–1.0 (20.3–26.0)	20V	1/4" Square
QXBN2PT004PS06	7–35	(0.8–4)	1,500	2.0 (0.91)	8.35 (212)	0.8–1.0 (20.3–26.0)	20V	3/8" Square
QXBN2PT008PQ04	14–70	(1.6–8)	1,150	2.0 (0.91)	8.48 (215.4)	0.8–1.0 (20.3–26.0)	20V	1/4" Quick Chang
QXBN2PT008PS04	14–70	(1.6–8)	1,150	2.0 (0.91)	8.2 (208.3)	0.8–1.0 (20.3–26.0)	20V	1/4" Square
QXBN2PT008PS06	14–70	(1.6–8)	1,150	2.0 (0.91)	8.35 (212)	0.8–1.0 (20.3–26.0)	20V	3/8" Square
QXBN2PT012PQ04	21–106	(2.4–12)	750	2.0 (0.91)	8.48 (215.4)	0.8–1.0 (20.3–26.0)	20V	1/4" Quick Chang
QXBN2PT012PS04	21–106	(2.4–12)	750	2.0 (0.91)	8.2 (208.3)	0.8–1.0 (20.3–26.0)	20V	1/4" Square
QXBN2PT012PS06	21–106	(2.4–12)	750	2.0 (0.91)	8.35 (212)	0.8–1.0 (20.3–26.0)	20V	3/8" Square
QXBN2PT018PQ04	32–159	(3.6–18)	500	2.0 (0.91)	8.48 (215.4)	0.8–1.0 (20.3–26.0)	20V	1/4" Quick Chang
QXBN2PT018PS06	32–159	(3.6–18)	500	2.0 (0.91)	8.35 (212)	0.8–1.0 (20.3–26.0)	20V	3/8" Square
Angle								
QXBN2AT005PQ04	9–44	(1.0–5)	1213	2.5 (1.14)	21.73 (552)	0.36 (9.2)	20V	1/4" Quick Chang
QXBN2AT010PS06	18–89	(2.0–10)	936	2.6 (1.18)	20.67 (525)	0.49 (12.5)	20V	3/8" Square
QXBN2AT015PS06	27–133	(3.0–15)	600	2.6 (1.18)	20.67 (525)	0.49 (12.5)	20V	3/8" Square
QXBN2AT018PQ04	32–159	(3.6–18)	500	2.8 (1.27)	24.34 (542)	0.51 (13)	20V	1/4" Quick Chang
QXBN2AT018PS06	32–159	(3.6–18)	500	2.8 (1.27)	24.34 (542)	0.51 (13)	20V	3/8" Square
QXBN2AT027PS06	48–239	(5.4–27)	330	3.7 (1.68)	21.73 (552)	0.67 (17)	20V	3/8" Square
Angle	**ft-lbs**							
QXBN5AT020PS06	2.95–14.75	(4.0–20)	1045	4.5 (2.04)	22.74 (577.7)	0.52 (13.1)	40V	3/8" Square
QXBN5AT030PS06	4.40–22.10	(6.0–30)	775	4.8 (2.18)	22.91 (581.8)	0.68 (17.2)	40V	3/8" Square
QXBN5AT030PS08	4.40–22.10	(6.0–30)	775	4.8 (2.18)	22.91 (581.8)	0.68 (17.2)	40V	1/2" Square
QXBN5AT035PS06	5.20–25.80	(7.0–35)	640	4.8 (2.18)	22.91 (581.8)	0.68 (17.2)	40V	3/8" Square
QXBN5AT035PS08	5.20–25.80	(7.0–35)	640	4.8 (2.18)	22.91 (581.8)	0.68 (17.2)	40V	1/2" Square
QXBN5AT040PS08	5.90–29.50	(8.0–40)	545	5.0 (2.27)	23.07 (586.1)	0.85 (21.6)	40V	1/2" Square
QXBN5AT080PS08	8.80–59.0	(12.0–80)	375	5.0 (2.27)	23.07 (586.1)	0.85 (21.6)	40V	1/2" Square

OXFD: Pistol

Model: Pistol	Torque in-lbs	Torque Nm	rpm	Weight lbs (kg)	Length in (mm)	to center distance in (mm)	Voltage	Drive
QXFD2PT004PQ04	7–35	(0.8–4)	1,500	2.0 (0.91)	8.48 (215.4)	0.8–1.0 (20.3–26.0)	20V	1/4" Quick Chang
QXFD2PT004PS04	7–35	(0.8–4)	1,500	2.0 (0.91)	8.2 (208.3)	0.8–1.0 (20.3–26.0)	20V	1/4" Square
QXFD2PT004PS06	7–35	(0.8–4)	1,500	2.0 (0.91)	8.35 (212)	0.8–1.0 (20.3–26.0)	20V	3/8" Square
QXFD2PT008PQ04	14–70	(1.6–8)	1,150	2.0 (0.91)	8.48 (215.4)	0.8–1.0 (20.3–26.0)	20V	1/4" Quick Chang
QXFD2PT008PS04	14–70	(1.6–8)	1,150	2.0 (0.91)	8.2 (208.3)	0.8–1.0 (20.3–26.0)	20V	1/4" Square
QXFD2PT008PS06	14–70	(1.6–8)	1,150	2.0 (0.91)	8.35 (212)	0.8–1.0 (20.3–26.0)	20V	3/8" Square
QXFD2PT012PQ04	21–106	(2.4–12)	750	2.0 (0.91)	8.48 (215.4)	0.8–1.0 (20.3–26.0)	20V	1/4" Quick Chang
QXFD2PT012PS04	21–106	(2.4–12)	750	2.0 (0.91)	8.2 (208.3)	0.8–1.0 (20.3–26.0)	20V	1/4" Square
QXFD2PT012PS06	21–106	(2.4–12)	750	2.0 (0.91)	8.35 (212)	0.8–1.0 (20.3–26.0)	20V	3/8" Square
QXFD2PT018PQ04	32–159	(3.6–18)	500	2.0 (0.91)	8.48 (215.4)	0.8–1.0 (20.3–26.0)	20V	1/4" Quick Chang
QXFD2PT018PS06	32–159	(3.6–18)	500	2.0 (0.91)	8.35 (212)	0.8–1.0 (20.3–26.0)	20V	3/8" Square
Angle								
QXFD2AT005PQ04	9–44	(1.0–5)	1213	2.5 (1.14)	21.73 (552)	0.36 (9.2)	20V	1/4" Quick Chang
QXFD2AT010PS06	18–89	(2.0–10)	936	2.6 (1.18)	20.67 (525)	0.49 (12.5)	20V	3/8" Square
QXFD2AT015PS06	27–133	(3.0–15)	600	2.6 (1.18)	20.67 (525)	0.49 (12.5)	20V	3/8" Square
QXFD2AT018PQ04	32–159	(3.6–18)	500	2.8 (1.27)	24.34 (542)	0.51 (13)	20V	1/4" Quick Chang
QXFD2AT018PS06	32–159	(3.6–18)	500	2.8 (1.27)	24.34 (542)	0.51 (13)	20V	3/8" Square
QXFD2AT027PS06	48–239	(5.4–27)	330	3.7 (1.68)	21.73 (552)	0.67 (17)	20V	3/8" Square
Angle	**ft-lbs**							
QXFD5AT020PS06	2.95–14.75	(4.0–20)	1045	4.5 (2.04)	22.74 (577.7)	0.52 (13.1)	40V	3/8" Square
QXFD5AT030PS06	4.40–22.10	(6.0–30)	775	4.8 (2.18)	22.91 (581.8)	0.68 (17.2)	40V	3/8" Square
QXFD5AT030PS08	4.40–22.10	(6.0–30)	775	4.8 (2.18)	22.91 (581.8)	0.68 (17.2)	40V	1/2" Square
QXFD5AT035PS06	5.20–25.80	(7.0–35)	640	4.8 (2.18)	22.91 (581.8)	0.68 (17.2)	40V	3/8" Square
QXFD5AT035PS08	5.20–25.80	(7.0–35)	640	4.8 (2.18)	22.91 (581.8)	0.68 (17.2)	40V	1/2" Square

(Communications detail table)

Weight lbs (kg)	Length in (mm)	to center distance in (mm)	Voltage	Drive	Communications	Communication Type	Display Type
2 (0.91)	8.48 (215.4)	0.8–1.0 (20.3–26.0)	20V	1/4" Quick Change	Via USB Cable	Bluetooth Only	YES
2 (0.91)	8.2 (208.3)	0.8–1.0 (20.3–26.0)	20V	1/4" Square	Via USB Cable	Bluetooth Only	YES
2 (0.91)	8.35 (212)	0.8–1.0 (20.3–26.0)	20V	3/8" Square	Via USB Cable	Bluetooth Only	YES
2 (0.91)	8.48 (215.4)	0.8–1.0 (20.3–26.0)	20V	1/4" Quick Change	Via USB Cable	Bluetooth Only	YES
2 (0.91)	8.2 (208.3)	0.8–1.0 (20.3–26.0)	20V	1/4" Square	Via USB Cable	Bluetooth Only	YES
2 (0.91)	8.35 (212)	0.8–1.0 (20.3–26.0)	20V	3/8" Square	Via USB Cable	Bluetooth Only	YES
2 (0.91)	8.48 (215.4)	0.8–1.0 (20.3–26.0)	20V	1/4" Quick Change	Via USB Cable	Bluetooth Only	YES
2 (0.91)	8.2 (208.3)	0.8–1.0 (20.3–26.0)	20V	1/4" Square	Via USB Cable	Bluetooth Only	YES
2 (0.91)	8.35 (212)	0.8–1.0 (20.3–26.0)	20V	3/8" Square	Via USB Cable	Bluetooth Only	YES
2 (0.91)	8.48 (215.4)	0.8–1.0 (20.3–26.0)	20V	1/4" Quick Change	Via USB Cable	Bluetooth Only	YES
2 (0.91)	8.35 (212)	0.8–1.0 (20.3–26.0)	20V	3/8" Square	Via USB Cable	Bluetooth Only	YES
3 (1.14)	21.73 (552)	0.36 (9.2)	20V	1/4" Quick Change	Via USB Cable	Bluetooth Only	YES
2.6 (1.18)	20.67 (525)	0.49 (12.5)	20V	3/8" Square	Via USB Cable	Bluetooth Only	YES
2.6 (1.18)	20.67 (525)	0.49 (12.5)	20V	3/8" Square	Via USB Cable	Bluetooth Only	YES
2.8 (1.27)	24.34 (542)	0.51 (13)	20V	1/4" Quick Change	Via USB Cable	Bluetooth Only	YES
2.8 (1.27)	24.34 (542)	0.51 (13)	20V	3/8" Square	Via USB Cable	Bluetooth Only	YES
3.7 (1.68)	21.73 (552)	0.67 (17)	20V	3/8" Square	Via USB Cable	Bluetooth Only	YES
5 (2.04)	22.74 (577.7)	0.52 (13.1)	40V	3/8" Square	Via USB Cable	Bluetooth Only	YES
4.8 (2.18)	22.91 (581.8)	0.68 (17.2)	40V	3/8" Square	Via USB Cable	Bluetooth Only	YES
4.8 (2.18)	22.91 (581.8)	0.68 (17.2)	40V	1/2" Square	Via USB Cable	Bluetooth Only	YES
4.8 (2.18)	22.91 (581.8)	0.68 (17.2)	40V	3/8" Square	Via USB Cable	Bluetooth Only	YES
4.8 (2.18)	22.91 (581.8)	0.68 (17.2)	40V	1/2" Square	Via USB Cable	Bluetooth Only	YES
5 (2.27)	23.07 (586.1)	0.85 (21.6)	40V	1/2" Square	Via USB Cable	Bluetooth Only	YES
5 (2.27)	23.07 (586.1)	0.85 (21.6)	40V	1/2" Square	Via USB Cable	Bluetooth Only	YES
2.0 (0.91)	8.48 (215.4)	0.8–1.0 (20.3–26.0)	20V	1/4" Quick Change	Via USB Cable	Via USB Cable	NO
2.0 (0.91)	8.2 (208.3)	0.8–1.0 (20.3–26.0)	20V	1/4" Square	Via USB Cable	Via USB Cable	NO
2.0 (0.91)	8.35 (212)	0.8–1.0 (20.3–26.0)	20V	3/8" Square	Via USB Cable	Via USB Cable	NO
2.0 (0.91)	8.48 (215.4)	0.8–1.0 (20.3–26.0)	20V	1/4" Quick Change	Via USB Cable	Via USB Cable	NO
2.0 (0.91)	8.2 (208.3)	0.8–1.0 (20.3–26.0)	20V	1/4" Square	Via USB Cable	Via USB Cable	NO
2.0 (0.91)	8.35 (212)	0.8–1.0 (20.3–26.0)	20V	3/8" Square	Via USB Cable	Via USB Cable	NO
2.0 (0.91)	8.48 (215.4)	0.8–1.0 (20.3–26.0)	20V	1/4" Quick Change	Via USB Cable	Via USB Cable	NO
2.0 (0.91)	8.2 (208.3)	0.8–1.0 (20.3–26.0)	20V	1/4" Square	Via USB Cable	Via USB Cable	NO
2.0 (0.91)	8.35 (212)	0.8–1.0 (20.3–26.0)	20V	3/8" Square	Via USB Cable	Via USB Cable	NO
2.0 (0.91)	8.48 (215.4)	0.8–1.0 (20.3–26.0)	20V	1/4" Quick Change	Via USB Cable	Via USB Cable	NO
2.0 (0.91)	8.35 (212)	0.8–1.0 (20.3–26.0)	20V	3/8" Square	Via USB Cable	Via USB Cable	NO
2.5 (1.14)	21.73 (552)	0.36 (9.2)	20V	1/4" Quick Change	Via USB Cable	Via USB Cable	NO
2.6 (1.18)	20.67 (525)	0.49 (12.5)	20V	3/8" Square	Via USB Cable	Via USB Cable	NO
2.6 (1.18)	20.67 (525)	0.49 (12.5)	20V	3/8" Square	Via USB Cable	Via USB Cable	
2.8 (1.27)	24.34 (542)	0.51 (13)	20V	1/4" Quick Change	Via USB Cable	Via USB Cable	NO
2.6 (1.18)	24.34 (542)	0.51 (13)	20V	3/8" Square	Via USB Cable	Via USB Cable	NO
2.6 (1.18)	21.73 (552)	0.67 (17)	20V	3/8" Square	Via USB Cable	Via USB Cable	NO
2.8 (1.27)	24.34 (542)	0.51 (13)	20V	1/4" Quick Change	Via USB Cable	Via USB Cable	NO
2.8 (1.27)	24.34 (542)	0.52 (13.1)	20V	3/8" Square	Via USB Cable	Via USB Cable	NO
3.7 (1.68)	21.73 (552)	0.67 (17)	20V	3/8" Square	Via USB Cable	Via USB Cable	NO
4.5 (2.04)	22.74 (577.7)	0.52 (13.1)	40V	3/8" Square	Via USB Cable	Via USB Cable	NO
4.8 (2.18)	22.91 (581.8)	0.68 (17.2)	40V	3/8" Square	Via USB Cable	Via USB Cable	NO

Model: Pistol

Model: Pistol	Torque in-lbs	Torque Nm	rpm	Weight lbs (kg)	Length in (mm)	to center distance in (mm)	Voltage	Drive
QXWD2PT004PQ04	7–35	0.8–4	1,500	2.0 (0.91)	8.48 (215.4)	8.48 (215.4)	20	1/4" Quick Change
QXWD2PT004PS04	7–35	0.8–4	1,500	2.0 (0.91)	8.2 (208.3)	8.2 (208.3)	20	1/4" Square Drive
QXWD2PT004PS06	7–35	0.8–4	1,500	2.0 (0.91)	8.35 (212)	8.35 (212)	20	3/8" Square Drive
QXWD2PT008PQ04	14–70	1.6–8	1,150	2.0 (0.91)	8.48 (215.4)	0.8–1.0 (20.3–26.0)	20	1/4" Quick Change
QXWD2PT008PS04	14–70	1.6–8	1,150	2.0 (0.91)	8.2 (208.3)	0.8–1.0 (20.3–26.0)	20	1/4" Square Drive
QXWD2PT008PS06	14–70	1.6–8	1,150	2.0 (0.91)	8.35 (212)	0.8–1.0 (20.3–26.0)	20	3/8" Square Drive
QXWD2PT012PQ04	21–106	2.4–12	750	2.0 (0.91)	8.48 (215.4)	0.8–1.0 (20.3–26.0)	20	1/4" Quick Change
QXWD2PT012PS04	21–106	2.4–12	750	2.0 (0.91)	8.2 (208.3)	0.8–1.0 (20.3–26.0)	20	1/4" Square Drive
QXWD2PT012PS06	21–106	2.4–12	750	2.0 (0.91)	8.35 (212)	0.8–1.0 (20.3–26.0)	20	3/8" Square Drive
QXWD2PT018PQ04	32–159	3.6–18	500	2.0 (0.91)	8.48 (215.4)	0.8–1.0 (20.3–26.0)	20	1/4" Quick Change
QXWD2PT018PS06	32–159	3.6–18	500	2.0 (0.91)	8.35 (212)	0.8–1.0 (20.3–26.0)	20	3/8" Square Drive

Angle

Model: Pistol	Torque in-lbs	Torque Nm	rpm	Weight lbs (kg)	Length in (mm)	to center distance in (mm)	Voltage	Drive
QXWD2AT005PQ04	9–44	1.0–5	1213	2.5 (1.14)	21.73 (552)	0.36 (9.2)	20	1/4" Quick Change
QXWD2AT010PS06	18–89	2.0–10	936	2.6 (1.18)	20.67 (525)	0.49 (12.5)	20	3/8" Square Drive
QXWD2AT015PS06	27–133	3.0–15	600	2.6 (1.18)	20.67 (525)	0.49 (12.5)	20	3/8" Square Drive
QXWD2AT018PQ04	32–159	3.6–18	500	2.8 (1.27)	24.34 (542)	0.51 (13)	20	1/4" Quick Change
QXWD2AT018PS06	32–159	3.6–18	500	2.8 (1.27)	24.34 (542)	0.51 (13)	20	3/8" Square Drive
QXWD2AT027PS06	48–239	5.4–27	330	3.7 (1.68)	21.73 (552)	0.67 (17)	20	3/8" Square Drive

Angle (ft-lbs)

Model: Pistol	Torque ft-lbs	Torque Nm	rpm	Weight lbs (kg)	Length in (mm)	to center distance in (mm)	Voltage	Drive
QXWD5AT020PS06	2.95–14.75	4.0–20	1045	4.5 (2.04)	22.74 (577.7)	0.52 (13.1)	40	3/8" Square Drive
QXWD5AT030PS06	4.40–22.10	6.0–30	775	4.8 (2.18)	22.91 (581.8)	0.68 (17.2)	40	3/8" Square Drive
QXWD5AT030PS08	4.40–22.10	6.0–30	775	4.8 (2.18)	22.91 (581.8)	0.68 (17.2)	40	1/2" Square Drive
QXWD5AT035PS06	5.20–25.80	7.0–35	640	4.8 (2.18)	22.91 (581.8)	0.68 (17.2)	40	3/8" Square Drive
QXWD5AT035PS08	5.20–25.80	7.0–35	640	4.8 (2.18)	22.91 (581.8)	0.68 (17.2)	40	1/2" Square Drive
QXWD5AT040PS08	5.90–29.50	8.0–40	545	5 (2.27)	23.07 (586.1)	0.85 (21.6)	40	1/2" Square Drive
QXWD5AT080PS08	8.80–59.0	12.0–80	375	5 (2.27)	23.07 (586.1)	0.85 (21.6)	40	1/2" Square Drive

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Weight lbs (kg)	Length in (mm)	Side to center distance in (mm)	Voltage	Drive	Communications	Communication Type	Display Type
2.0 (0.91)	8.48 (215.4)	0.8–1.0 (20.3–26.0)	20V	1/4" Quick Change	Wireless + USB	Wireless	YES
2.0 (0.91)	8.2 (208.3)	0.8–1.0 (20.3–26.0)	20V	1/4" Square	Wireless + USB	Wireless	YES
2.0 (0.91)	8.35 (212)	0.8–1.0 (20.3–26.0)	20V	3/8" Square	Wireless + USB	Wireless	YES
2.0 (0.91)	8.48 (215.4)	0.8–1.0 (20.3–26.0)	20V	1/4" Quick Change	Wireless + USB	Wireless	YES
2.0 (0.91)	8.2 (208.3)	0.8–1.0 (20.3–26.0)	20V	1/4" Square	Wireless + USB	Wireless	YES
2.0 (0.91)	8.35 (212)	0.8–1.0 (20.3–26.0)	20V	3/8" Square	Wireless + USB	Wireless	YES
2.0 (0.91)	8.48 (215.4)	0.8–1.0 (20.3–26.0)	20V	1/4" Quick Change	Wireless + USB	Wireless	YES
2.0 (0.91)	8.2 (208.3)	0.8–1.0 (20.3–26.0)	20V	1/4" Square	Wireless + USB	Wireless	YES
2.0 (0.91)	8.35 (212)	0.8–1.0 (20.3–26.0)	20V	3/8" Square	Wireless + USB	Wireless	YES
2.0 (0.91)	8.48 (215.4)	0.8–1.0 (20.3–26.0)	20V	1/4" Quick Change	Wireless + USB	Wireless	YES
2.0 (0.91)	8.35 (212)	0.8–1.0 (20.3–26.0)	20V	3/8" Square	Wireless + USB	Wireless	YES
2.5 (1.14)	21.73 (552)	0.36 (9.2)	20V	1/4" Quick Change	Wireless + USB	Wireless	YES
2.6 (1.18)	20.67 (525)	0.49 (12.5)	20V	3/8" Square	Wireless + USB	Wireless	YES
2.6 (1.18)	20.67 (525)	0.49 (12.5)	20V	3/8" Square	Wireless + USB	Wireless	YES
2.8 (1.27)	24.34 (542)	0.51 (13)	20V	1/4" Quick Change	Wireless + USB	Wireless	YES
2.8 (1.27)	24.34 (542)	0.51 (13)	20V	3/8" Square	Wireless + USB	Wireless	YES
3.7 (1.68)	21.73 (552)	0.67 (17)	20V	3/8" Square	Wireless + USB	Wireless	YES
4.5 (2.04)	22.74 (577.7)	0.52 (13.1)	40V	3/8" Square	Wireless + USB	Wireless	YES
4.8 (2.18)	22.91 (581.8)	0.68 (17.2)	40V	3/8" Square	Wireless + USB	Wireless	YES
4.8 (2.18)	22.91 (581.8)	0.68 (17.2)	40V	1/2" Square	Wireless + USB	Wireless	YES
4.8 (2.18)	22.91 (581.8)	0.68 (17.2)	40V	3/8" Square	Wireless + USB	Wireless	YES
4.8 (2.18)	22.91 (581.8)	0.68 (17.2)	40V	1/2" Square	Wireless + USB	Wireless	YES
5 (2.27)	23.07 (586.1)	0.85 (21.6)	40V	1/2" Square	Wireless + USB	Wireless	YES
5 (2.27)	23.07 (586.1)	0.85 (21.6)	40V	1/2" Square	Wireless + USB	Wireless	YES

Weight lbs (kg)	Length in (mm)	Side to center distance in (mm)	Voltage	Drive	Communications	Communication Type	Display Type
2.0 (0.91)	8.48 (215.4)	0.8–1.0 (20.3–26.0)	20V	1/4" Quick Change	Wireless + USB	Wireless	No
2.0 (0.91)	8.2 (208.3)	0.8–1.0 (20.3–26.0)	20V	1/4" Square	Wireless + USB	Wireless	No
2.0 (0.91)	8.35 (212)	0.8–1.0 (20.3–26.0)	20V	3/8" Square	Wireless + USB	Wireless	No
2.0 (0.91)	8.48 (215.4)	0.8–1.0 (20.3–26.0)	20V	1/4" Quick Change	Wireless + USB	Wireless	No
2.0 (0.91)	8.2 (208.3)	0.8–1.0 (20.3–26.0)	20V	1/4" Square	Wireless + USB	Wireless	No
2.0 (0.91)	8.35 (212)	0.8–1.0 (20.3–26.0)	20V	3/8" Square	Wireless + USB	Wireless	No
2.0 (0.91)	8.48 (215.4)	0.8–1.0 (20.3–26.0)	20V	1/4" Quick Change	Wireless + USB	Wireless	No
2.0 (0.91)	8.2 (208.3)	0.8–1.0 (20.3–26.0)	20V	3/8" Square	Wireless + USB	Wireless	No
2.0 (0.91)	8.48 (215.4)	0.8–1.0 (20.3–26.0)	20V	1/4" Quick Change	Wireless + USB	Wireless	No
2.0 (0.91)	8.2 (208.3)	0.8–1.0 (20.3–26.0)	20V	1/4" Square	Wireless + USB	Wireless	No
2.0 (0.91)	8.35 (212)	0.8–1.0 (20.3–26.0)	20V	3/8" Square	Wireless + USB	Wireless	No
2.5 (1.14)	21.73 (552)	0.36 (9.2)	20V	1/4" Quick Change	Wireless + USB	Wireless	No
2.6 (1.18)	20.67 (525)	0.49 (12.5)	20V	3/8" Square	Wireless + USB	Wireless	No
2.6 (1.18)	20.67 (525)	0.49 (12.5)	20V	3/8" Square	Wireless + USB	Wireless	No
2.8 (1.27)	24.34 (542)	0.51 (13)	20V	1/4" Quick Change	Wireless + USB	Wireless	No
2.8 (1.27)	24.34 (542)	0.51 (13)	20V	3/8" Square	Wireless + USB	Wireless	No
3.7 (1.68)	21.73 (552)	0.67 (17)	20V	3/8" Square	Wireless + USB	Wireless	No

Tool Specifications

Model				Weight lbs (kg)	Length in (mm)	to center distance in (mm)	Voltage	Drive
QXXN2PT012EQ04	21-106	2.4-12	750	2.0 (0.91)	8.13 (206.5)	1.02 (26)	20V	1/4" Quick Change
QXXN2PT012ES06	21-106	2.4-12	750	2.0 (0.91)	7.99 (203)	1.02 (26)	20V	3/8" Square Drive
QXXN2PT018EQ04	32-159	3.6-18	500	2.0 (0.91)	8.13 (206.5)	1.02 (26)	20V	1/4" Quick Change
QXXN2PT018ES06	32-159	3.6-18	500	2.0 (0.91)	7.99 (203)	1.02 (26)	20V	3/8" Square Drive
QXXN2PT024ES06	42-212	4.8-24	500	2.0 (0.91)	8.35 (212)	1.02 (26)	20V	3/8" Square Drive
Angle								
QXXN2AT027ES06	48-239	5.4-27	330	3.7 (1.68)	21.7 (552)	0.68 (17.2)	20V	3/8" Square Drive
QXWD2PT008EQ04	14-70	1.6-8	1150	2.0 (0.91)	8.13 (206.5)	1.02 (26)	20	1/4" Quick Change
QXWD2PT008ES06	14-70	1.6-8	1150	2.0 (0.91)	7.99(203)	1.02 (26)	20	3/8" Square Drive
QXWD2PT012EQ04	21-106	2.4-12	750	2.0 (0.91)	8.13 (206.5)	1.02 (26)	20	1/4" Quick Change
QXWD2PT012ES06	21-106	2.4-12	750	2.0 (0.91)	7.99(203)	1.02 (26)	20	3/8" Square Drive
QXWD2PT018EQ04	32-159	3.6-18	500	2.0 (0.91)	8.13 (206.5)	1.02 (26)	20	1/4" Quick Change
QXWD2PT018ES06	32-159	3.6-18	500	2.0 (0.91)	7.99(203)	1.02 (26)	20	3/8" Square Drive
QXWD2PT024ES06	42-212	1.8-24	330	2.0 (0.91)	8.35 (212)	1.02 (26)	20	3/8" Square Drive
Angle								
QXWD2AT027ES06	48-239	5.4-27	330	3.7 (1.68)	2.7 (552)	0.68(17.2)	20	3/8" Square Drive
ft-lbs								
QXFN5AT040ES08	5.90–29.50	8.0-40	545	5.0 (2.27)	23.1 (586.1)	0.85 (21.6)	40V	1/2" Square
QXFN5AT080ES08	8.80–59.0	12.0-80	375	5.0 (2.27)	23.1 (586.1)	0.85 (21.6)	40V	1/2" Square
QXBD5AT040ES08	5.90–29.50	8.0-40	545	5.0 (2.27)	23.1 (586.1)	0.85 (21.6)	40V	1/2" Square
QXBD5AT080ES08	8.80–59.0	12.0-80	375	5.0 (2.27)	23.1 (586.1)	0.85 (21.6)	40V	1/2" Square
QXXD5AT040ES08	5.90–29.50	8.0-40	545	5.0 (2.27)	23.1 (586.1)	0.85 (21.6)	40V	1/2" Square
QXXD5AT080ES08	8.80–59.0	12.0-80	375	5.0 (2.27)	23.1 (586.1)	0.85 (21.6)	40V	1/2" Square
QXXN5AT040ES08	5.90-29.50	8.0-40	545	5.0 (2.27)	23.1 (586.1)	0.85 (21.6)	40V	1/2" Square Drive
QXXN5AT080ES08	8.80-59.0	12.0-80	375	5.0 (2.27)	23.1 (586.1)	0.85 (21.6)	40V	1/2" Square Drive
QXWD5AT040ES08	5.90-29.50	8.0-40	545	5.0 (2.27)	23.1 (586.1)	0.85 (21.6)	40	1/2" Square Drive
QXWD5AT080ES08	8.80-59.0	12.0-80	375	5.0 (2.27)	23.1 (586.1)	0.85 (21.6)	40	1/2" Square Drive

Communications

Weight lbs (kg)	Length in (mm)	to center distance in (mm)	Voltage	Drive	Communications	Communication Type	Display Type
2.0 (0.91)	7.99 (203)	1.02 (26)	20V	3/8" Square	Via USB Cable	Via USB Cable	NO
2.0 (0.91)	7.99 (203)	1.02 (26)	20V	3/8" Square	Via USB Cable	Via USB Cable	YES
2.0 (0.91)	7.99 (203)	1.02 (26)	20V	3/8" Square	Via USB Cable	Bluetooth Only	NO
2.0 (0.91)	8.13 (206.5)	1.02 (26)	20V	1/4" Quick Change	Via USB Cable	Via USB Cable	NO
2.0 (0.91)	7.99 (203)	1.02 (26)	20V	3/8" Square	Via USB Cable	Via USB Cable	NO
2.0 (0.91)	7.99 (203)	1.02 (26)	20V	3/8" Square	Via USB Cable	Via USB Cable	YES
2.0 (0.91)	7.99 (203)	1.02 (26)	20V	3/8" Square	Via USB Cable	Bluetooth Only	NO
2.0 (0.91)	8.13 (206.5)	1.0 (26)	20V	1/4" Quick Change	Via USB Cable	Via USB Cable	NO
2.0 (0.91)	7.99 (203)	1.02 (26)	20V	3/8" Square	Via USB Cable	Via USB Cable	NO
2.0 (0.91)	7.99 (203)	1.02 (26)	20V	3/8" Square	Via USB Cable	Via USB Cable	YES
2.0 (0.91)	8.13 (206.5)	1.02 (26)	20V	1/4" Quick Change	Via USB Cable	Via USB Cable	NO
2.0 (0.91)	8.35 (212)	1.02 (26)	20V	3/8" Square	Via USB Cable	Via USB Cable	NO
2.0 (0.91)	8.35 (212)	1.02 (26)	20V	3/8" Square	Via USB Cable	Via USB Cable	YES
2.0 (0.91)	8.35 (212)	1.02 (26)	20V	3/8" Square	Via USB Cable	Bluetooth Only	NO
2.0 (0.91)	7.99 (203)	1.02 (26)	20V	3/8" Square	Via USB Cable	Bluetooth Only	YES
2.0 (0.91)	8.13 (206.5)	1.02 (26)	20V	1/4" Quick Change	Via USB Cable	Bluetooth Only	YES
2.0 (0.91)	7.99 (203)	1.02 (26)	20V	3/8" Square	Via USB Cable	Bluetooth Only	YES
2.0 (0.91)	8.13 (206.5)	1.02 (26)	20V	1/4" Quick Change	Via USB Cable	Bluetooth Only	YES
2.0(0.91)	7.99 (203)	1.02 (26)	20V	3/8" Square	Via USB Cable	Bluetooth Only	YES
2.0 (0.91)	8.13 (206.5)	1.02 (26)	20V	1/4" Quick Change	Via USB Cable	Bluetooth Only	YES
2.0 (0.91)	8.35 (212)	1.02 (26)	20V	3/8" Square	Via USB Cable	Bluetooth Only	YES
3.7 (1.68)	21.7 (552)	0.68 (17.2)	20V	3/8" Square	Via USB Cable	Bluetooth Only	YES
3.7 (1.68)	21.7 (552)	0.68 (17.2)	20V	3/8" Square	Via USB Cable	Via USB Cable	NO
3.7 (1.68)	21.7 (552)	0.68 (17.2)	20V	3/8" Square	Via USB Cable	Via USB Cable	YES
3.7 (1.68)	21.7 (552)	0.68 (17.2)	20V	3/8" Square	Via USB Cable	Bluetooth Only	NO
2.0 (0.91)	7.99 (203)	1.02 (26)	20V	3/8" Square	Wireless + USB	Wireless + USB	YES
2.0 (0.91)	8.13 (206.5)	1.02 (26)	20V	1/4" Quick Change	Wireless + USB	Wireless + USB	YES
2.0 (0.91)	7.99 (203)	1.02 (26)	20V	3/8" Square	Wireless + USB	Wireless + USB	YES
2.0 (0.91)	8.13 (206.5)	1.02 (26)	20V	1/4" Quick Change	Wireless + USB	Wireless + USB	YES
2.0 (0.91)	7.99 (203)	1.02 (26)	20V	3/8" Square	Wireless + USB	Wireless + USB	YES
2.0 (0.91)	8.35 (212)	1.02 (26)	20V	3/8" Square	Wireless + USB	Wireless + USB	YES
3.7 (1.68)	21.7 (552)	0.68 (17.2)	20V	3/8" Square	Wireless + USB	Wireless + USB	YES
5.0 (2.27)	23.1 (586.1)	0.85 (21.6)	40V	1/2" Square	Via USB Cable	Via USB Cable	NO
5.0 (2.27)	23.1 (586.1)	0.85 (21.6)	40V	1/2" Square	Via USB Cable	Via USB Cable	NO
5.0 (2.27)	23.1 (586.1)	0.85 (21.6)	40V	1/2" Square	Via USB Cable	Bluetooth Only	YES
5.0 (2.27)	23.1 (586.1)	0.85 (21.6)	40V	1/2" Square	Via USB Cable	Bluetooth Only	YES
5.0 (2.27)	23.1 (586.1)	0.85 (21.6)	40V	1/2" Square	Wireless + USB	Wireless + USB	YES
5.0 (2.27)	23.1 (586.1)	0.85 (21.6)	40V	1/2" Square	Wireless + USB	Wireless + USB	YES

INSIGHTqcx™ CONTROLLER MODELS

Model	Series	Display	Hardware Options
QCXD11	QCX	Display	Standard
QCXD11-F	QCX	Display	Standard
QCXD11-FM	QCX	Display	Standard
QCXD11-M	QCX	Display	Standard
QCXD12-F	QCX	Display	Standard + P...
QCXD12-FM	QCX	Display	Standard + P...
QCXD13-F	QCX	Display	Standard + DE...
QCXD13-FM	QCX	Display	Standard + DE...
QCXD15-F	QCX	Display	Standard + Q...
QCXD15-FM	QCX	Display	Standard + Q...
QCXM11	QCX	No Display	Standard
QCXM11-F	QCX	No Display	Standard
QCXM11-FM	QCX	No Display	Standard
QCXM11-M	QCX	No Display	Standard
QCXM12-F	QCX	No Display	Standard + P...
QCXM12-FM	QCX	No Display	Standard + P...