

QX HAWK C-MOUNT INDUSTRIAL IMAGER CONFIGURATION GUIDE



Hardware Required

Item	Description	Part Number
1	QX Hawk C-Mount Industrial Imager	FIS-6801-XXXXG
2	QX-1 Interface Device	98-000103-02
3	QX Cordset, Common, M12 12-pin Socket to M12 12-pin Plug, 1 m	61-000162-02
4	QX Cordset, Host, Serial, M12 12-pin Plug to DB9 Socket, 1 m	61-000152-02
5	QX Cordset, Host, Serial, M12 12-pin Socket to DB9 Socket, 1 m	61-000153-02
6	QX Power Supply, 100-240VAC, +24VDC, M12 12-pin Socket	97-000012-01
7	QX Cordset, Host, Ethernet, M12 8-pin Plug to RJ45, 1 m (Ultra-Lock or Screw-On)	61-000160-01 or -02
8	QX Cordset, M12 12-pin Plug and Socket to MS-Connect 210, RS-232 or RS-422, 2 m	61-000158-03 or -04
9	QX Photo Sensor, M12 4-pin Plug, NPN, Dark On, 2 m	99-000020-02
10	QX Cordset, Smart Series Light to QX-1, Continuous ON/OFF (not shown)	61-000207-01

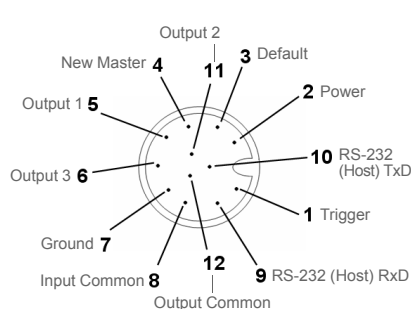
Note: Additional cordsets and accessories are available in the Microscan Product Pricing Catalog and the *QX Hawk Industrial Imager User Manual*.

Pin Assignments

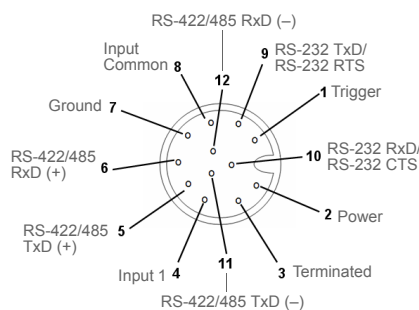
A is a serial M12 12-pin plug. It is the same for all models of the QX Hawk.

B is a serial M12 12-pin socket for serial models and an Ethernet M12 8-pin socket for Ethernet models.

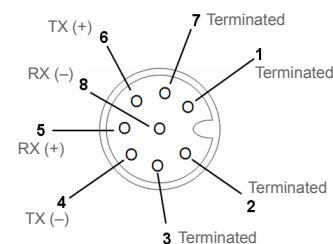
Important: See the *QX Hawk Industrial Imager User Manual* for a list of the wire colors that correspond to each pin.



A (All Models) M12 12-pin Plug

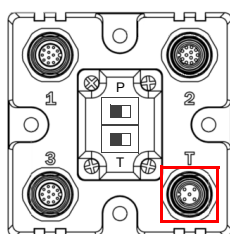


B (Serial) M12 12-pin Socket



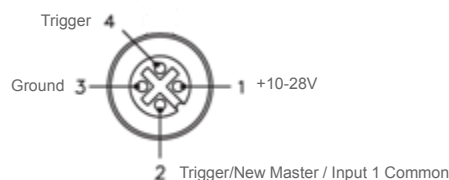
B (Ethernet) M12 8-pin Socket

QX-1 Interface Device (Top View)



Connector T on the QX-1 Interface Device is the trigger connector.

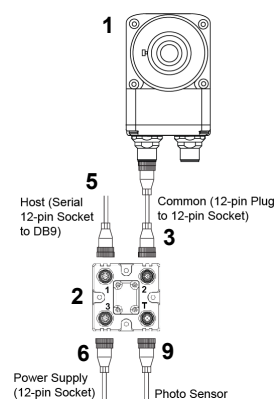
Connectors 1, 2, and 3 can be used to bus power and data as required by the application.



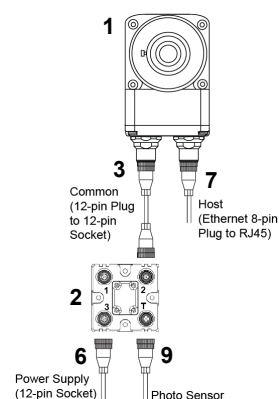
Trigger Connector (T) 4-pin Socket

Standalone Configuration

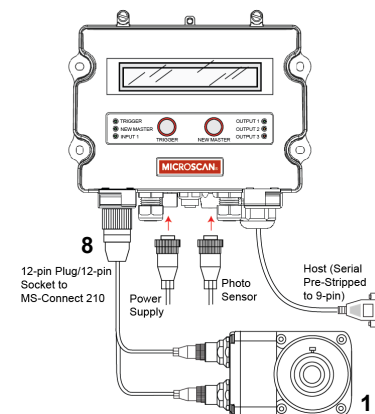
Serial with QX-1



Ethernet with QX-1



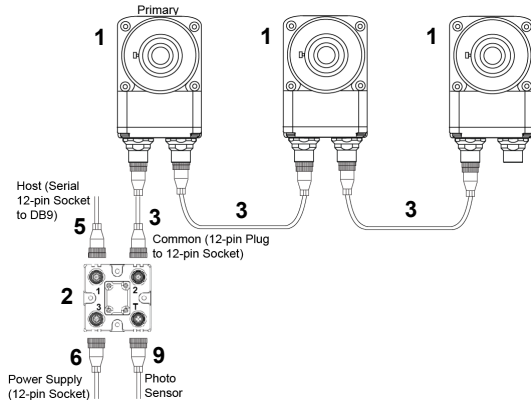
Serial with MS-Connect 210



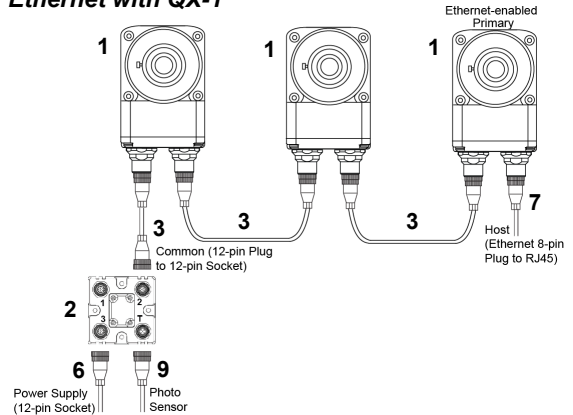
QX Hawk C-Mount Configuration

Daisy Chain Configuration

Serial with QX-1



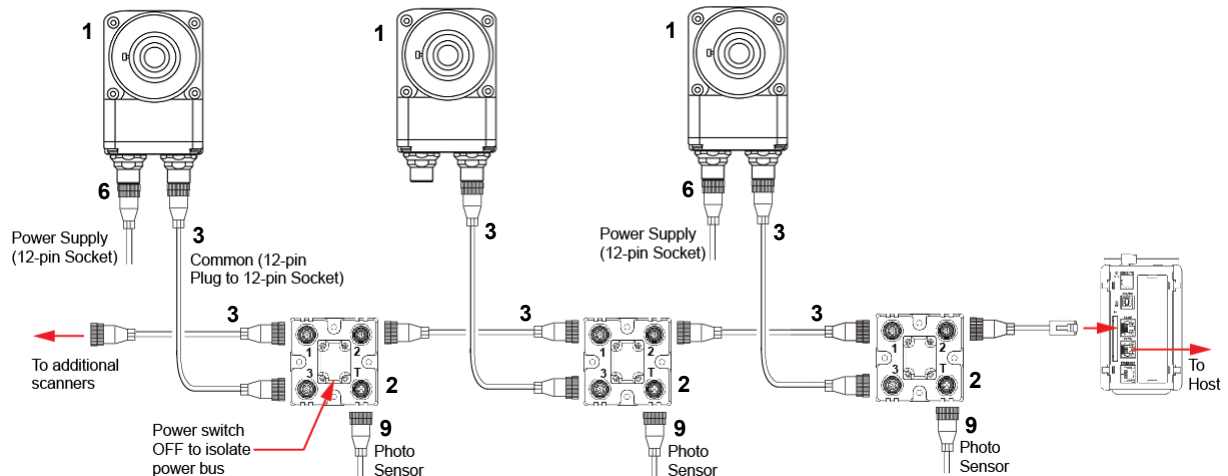
Ethernet with QX-1



Important: Do not attempt to power more than four imagers with a single power supply in a daisy chain configuration. Add a QX-1 and one power supply for every four additional imagers in the daisy chain.

Multidrop Configuration

Multidrop Network with MS-Connect 5100



QX Hawk C-Mount Lens Accessories

Kit, Adapter Plate, QX Hawk	98-000143-01
Lens Extension Tube, 5mm (C-CS Mount Adapter)	98-92800471
Lens Extension Tube Set 0.5, 1, 5, 10, 20, 40mm	98-CO206
Lens, 8mm F/1.4-16, Front Thread 25.5mm P 0.5mm, 2/3" C-Mount	98-92800571
Lens, 12.5mm F/1.4-Close, Front Thread 40.5mm P 0.5mm, 1" C-Mount (Not for use with lens protection housings)	98-000257-01
Lens, 16mm F/1.4-16, Front Thread 27mm P 0.5mm, 2/3" C-Mount	98-000258-01
Lens, 25mm F/1.4-16, Front Thread 27mm P 0.5mm, 2/3" C-Mount	98-000259-01
Lens, 35mm F/2.1-22, Front Thread 25.5mm P 0.5mm, 2/3" C-Mount	98-92800575
Lens, 50mm F/2.8-22, Front Thread 25.5mm P 0.5mm, 2/3" C-Mount	98-92800576
Lens, 75mm F/3.9-32, Front Thread 25.5mm P 0.5mm, 2/3" C-Mount	98-92800577
Lens, Skylight UV Filter, 25.5mm	98-92800311
Lens, Polarizing Filter, 25.5mm, P 0.5	98-92800371
Lens, Polarizing Filter, 27mm, P 0.5	98-92800372
Lens Protection Housing, Standard Length (up to 48mm)	98-000218-01
Lens Protection Housing, Long (up to 72mm)	98-000226-01
Microscan Tools Drive	37-000010-01

Note: Additional accessories are available in the Microscan Product Pricing Catalog and the *QX Hawk Industrial Imager User Manual*.

QX Hawk C-Mount Configurable Part Numbers

QX Hawk part numbers follow the format **FIS-6801-CLSG**:

C (Comm) = **0** for RS-422, **1** for Ethernet;

L (Lens) = **0** for C-Mount, **2** for 30°, **3** for 45°, **4** for 12°; **5** for 15°;

S (Sensor) = **0** for SXGA CCD, **1** for WVGA CMOS;

G = RoHS-Compliant.