

QX HAWK INDUSTRIAL IMAGER CONFIGURATION GUIDE



Hardware Required

Item	Description	Part Number
1	QX Hawk 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 / M12 12-pin 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

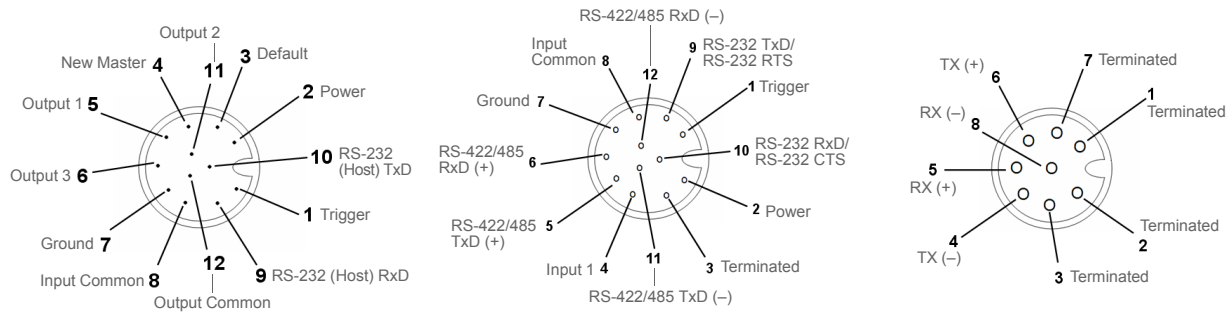
Note: Additional cordsets available in the Microscan Product Pricing Catalog.

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.

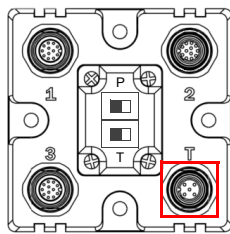


A (All Models) M12 12-pin Plug

B (Serial) M12 12-pin Socket

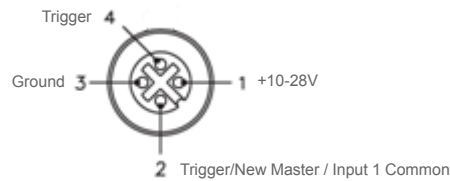
B (Ethernet) M12 8-pin Socket

QX-1 Interface Device (Top View)



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

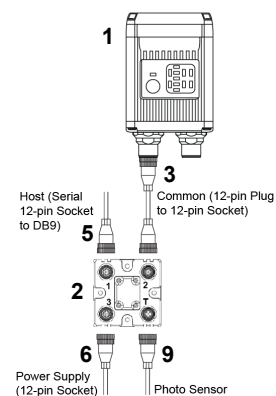
Connectors 1, 2, and 3 can be used to bus power and data as required by the application.



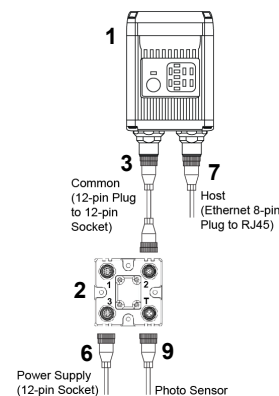
QX-1 Trigger Connector (T) 4-pin Socket

Standalone Configuration

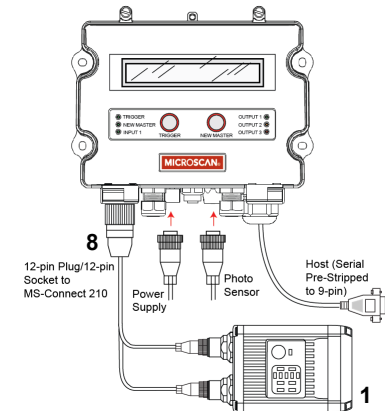
Serial with QX-1



Ethernet with QX-1



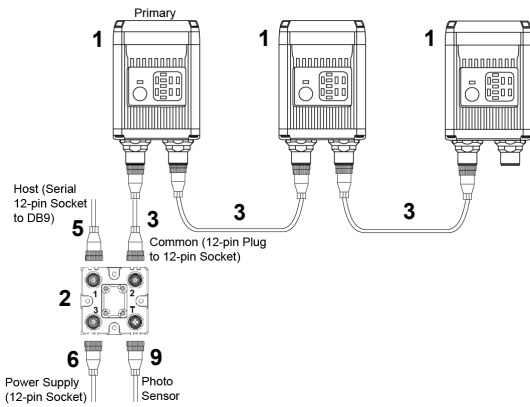
Serial with MS-Connect 210



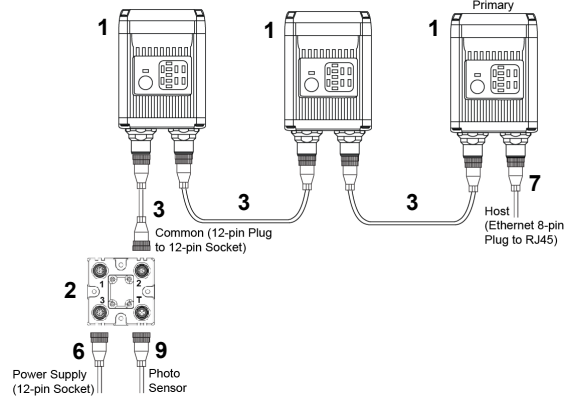
QX Hawk Configuration

Daisy Chain Configuration

Serial with QX-1



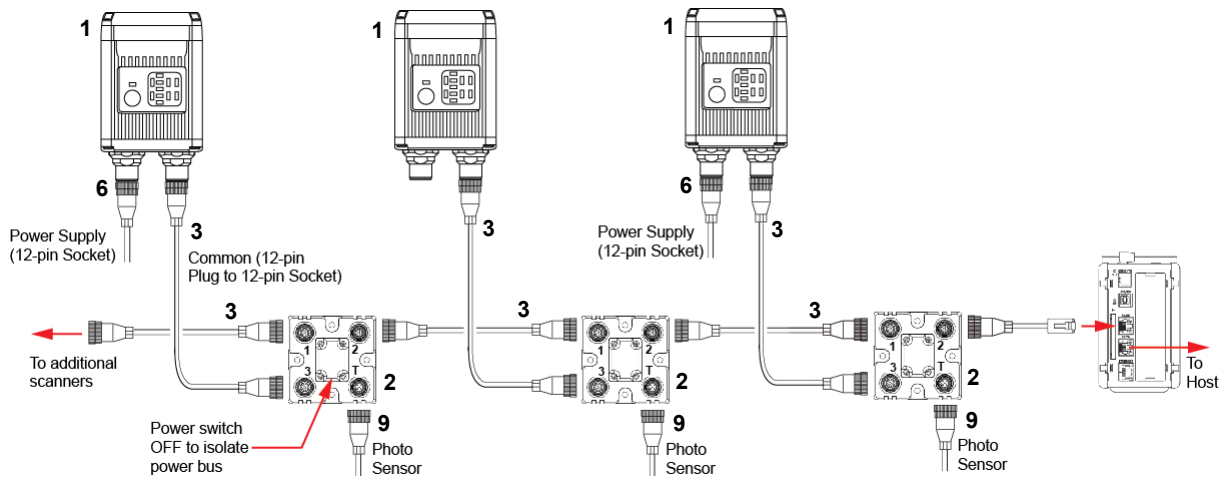
Ethernet with QX-1



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 Accessories

Kit, Adapter Plate, QX Hawk	98-000143-01
Kit, Right-Angle Mirror, QX Hawk	98-000144-01
Kit, Window Replacement, QX Hawk	98-000146-01
Kit, 12° Lens, QX Hawk	98-000147-04
Kit, 15° Lens, QX Hawk	98-000147-01
Kit, 30° Lens, QX Hawk	98-000147-02
Kit, 45° Lens, QX Hawk	98-000147-03
Kit, Glass Window with IR Coating, QX Hawk	98-000205-01
Kit, Glass Window, QX Hawk	98-000206-01
Kit, Lexan Window with Metal Bezel, QX Hawk	98-000206-02
Demo Kit, QX Hawk (camera not included)	98-000149-01
Kit, White LED Illumination, QX Hawk	98-000262-01
Kit, Blue LED Illumination, QX Hawk	98-000262-02
Microscan Tools Drive	37-000010-01

Note: Additional accessories are available in the Microscan Product Pricing Catalog.

QX Hawk 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.