

# QX-830 COMPACT INDUSTRIAL SCANNER CONFIGURATION GUIDE



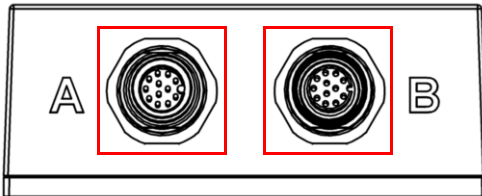
## Hardware Required

Item	Description	Part Number
1	QX-830 Compact Industrial Scanner	FIS-0830-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, 24V, 100-240VAC, +24VDC, M12 12-pin Socket	97-000012-01
7	QX Cordset, Host, Ethernet, M12 8-pin Plug (Ultra-Lock) to RJ45, 1 m	61-000160-01
or	QX Cordset, Host, Ethernet, M12 8-pin Plug (Screw-On) to RJ45, 1 m	61-000160-02
8	QX Cordset, M12 12-pin Plug / M12 12-pin Socket to MS-Connect 210, RS-232, 2 m	61-000158-03
9	QX Photo Sensor, M12 4-pin Plug, NPN, Dark On, 2 m	99-000020-02

**Note:** Additional cordsets and accessories are available in the Omron Microscan Product Pricing Catalog.

## Pin Assignments

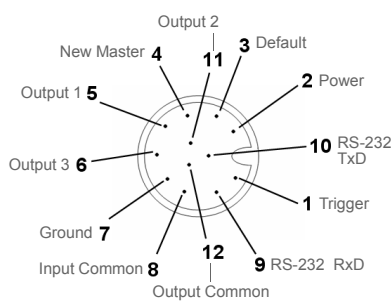
### QX-830 (Back View)



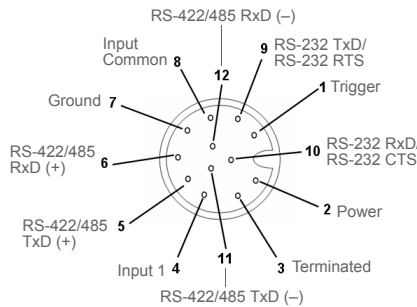
**Connector A** is a serial M12 12-pin plug. It is the same for all models of the QX-830.

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

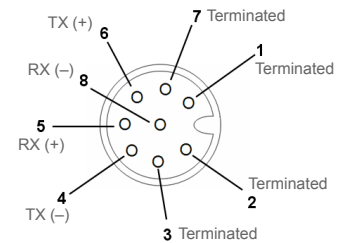
**Important:** See the *QX-830 Compact Industrial Scanner User Manual* for a list of the wire colors that correspond to each pin.



**Connector A (All Models)  
M12 12-pin Plug**

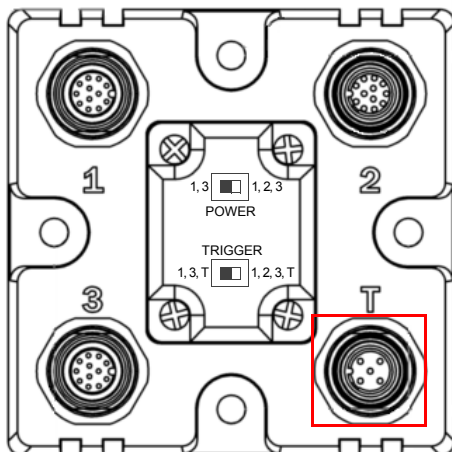


**Connector B (Serial Models)  
M12 12-pin Socket**



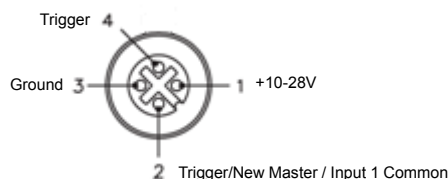
**Connector B (Ethernet Models)  
M12 8-pin Socket**

### QX-1 Interface Device (Top View)



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

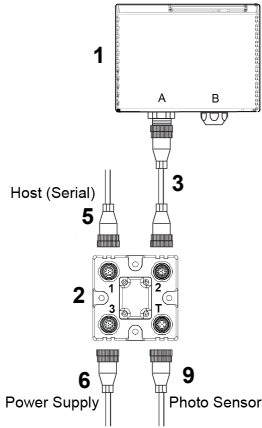
**Connectors 1, 2, and 3** can be used to bus power and data as required by the application.



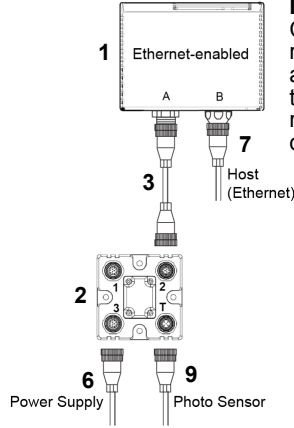
**QX-1 Trigger Connector  
4-pin Socket**

## Standalone Configuration

### Serial (with QX-1)

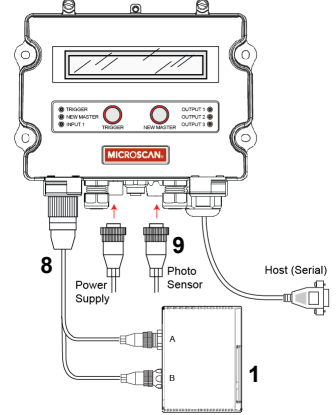


### Ethernet (with QX-1)



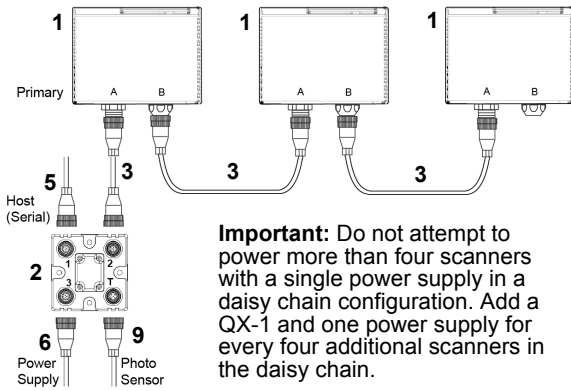
**Important:** Configure reader off-line and then connect to network when ready for dynamic use.

### Serial with MS-Connect 210 (without QX-1)



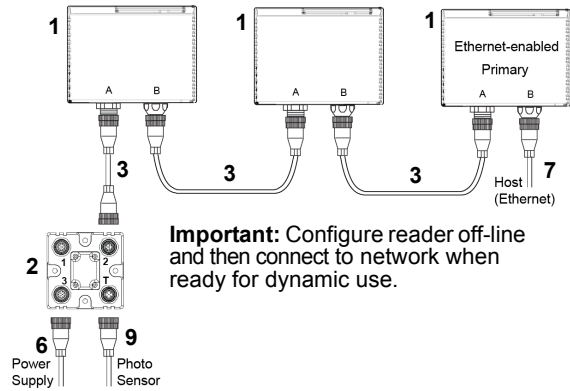
## Daisy Chain Configuration

### Serial (with QX-1)



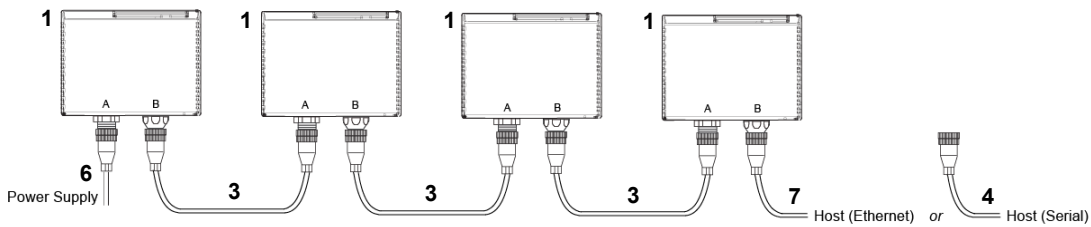
**Important:** Do not attempt to power more than four scanners with a single power supply in a daisy chain configuration. Add a QX-1 and one power supply for every four additional scanners in the daisy chain.

### Ethernet (with QX-1)



**Important:** Configure reader off-line and then connect to network when ready for dynamic use.

### Serial or Ethernet (without QX-1)



## Multidrop Configuration

### Multidrop Network with MS-Connect 5100

