

The IB-131 interface module simplifies connecting to the MS-911 and MS-810 scanners by providing separate ports for the host, power supply, trigger and network. The network port is used for multidrop or daisy chain configurations. This port can also be used to access the programmable outputs. See reverse side for configuration diagrams.

The following is a list of cables offered by Microscan for ease of connectivity when using the IB-131.

MS-810

- **RS-232 Cable:** 61-300026
- **Multidrop Cable:** 61-100030
- **MS-810 Kit:** 98-400002-02

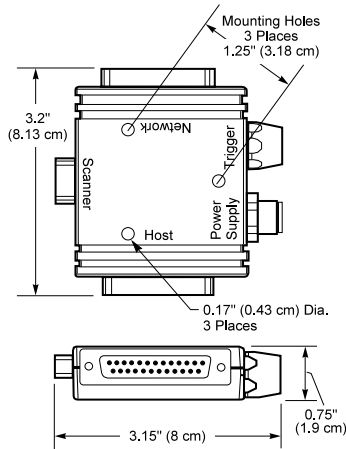
MS-911

- **RS-232 Cable:** 61-300026
- **Multidrop Cable:** 61-100030
- **Daisy Chain Cable:** 61-100029

IB-131 SPECIFICATIONS

MECHANICAL

Length: 3.2 in. (8.13 cm)
 Width: 3.15 in. (8 cm)
 Height: 0.75 in. (1.9 cm)




CONNECTORS*

Host Connector:
 25-pin D-subminiature Socket


Pin	Function
1	External ground
2	Transmit data (RS-232)
3	Receive data (RS-232)
4	RTS
5	CTS
6	Output 2+
7	Signal ground
8	Output 1+
9	Trigger -
10	Trigger+
11	Default configuration
13	Receive data (RS-422+)
14	Transmit data (RS-422-)
15	Output 3+
16	Receive data (RS-422-)
17	Output 1-/2-/3-
19	Transmit data (RS-422+)
25	New master/OMR

Trigger Connector:
 4-pin MicroChange Socket



Pin	Function
1	+10-28 VDC
2	Trigger -
3	Ground
4	Trigger+

Power Connector:
 3-pin MicroChange Plug



Pin	Function
1	Ground
3	+10-28 VDC

Scanner Connector:
 15-pin D-subminiature Socket

Pin	Function
1	+10-28 VDC
2	Transmit RS-232/RS-422-
3	Receive RS-232/RS-422-
4	Signal Ground
5	Trigger-
6	RTS/Aux. Transmit RS-232/RS-422+
7	Output 1+
8	Default configuration
9	Trigger+
10	CTS/Aux. Receive RS-232/RS-422+
11	Output 3+
12	New master/OMR
13	External ground
14	Output 2+
15	Output 1-/2-/3-

Network Connector:
 25-pin D-subminiature Plug

Pin	Function
1	Ground
2	Aux. Receive RS-232
3	Aux. Transmit RS-232
6	Out 2 +
7	Signal ground
8	Out 1 +
13	Receive data (RS-422+)
14	Transmit data (RS-422-)
15	Out 3 +
16	Receive data (RS-422-)
17	Output 1-/2-/3-
19	Transmit data (RS-422+)

ELECTRICAL

Supply Voltage Input:
 Regulated +10-28 VDC

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 Specifications subject to change. 08/00
 ISO 9001/Cert. No. 00-1047

* Pinout tables show active pins only.

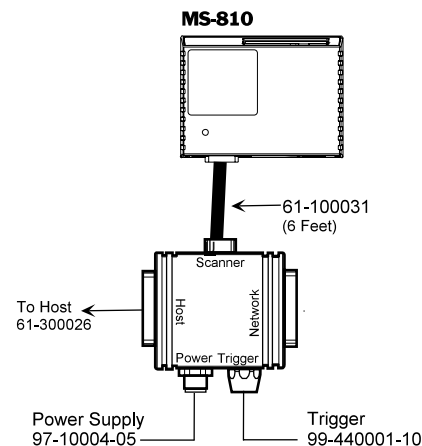
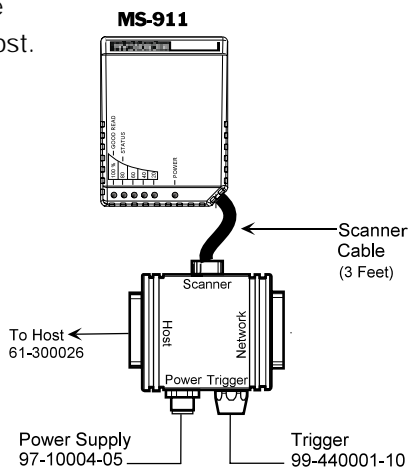
IB-131 CONFIGURATIONS

STAND-ALONE

This configuration allows the scanners to operate independently, communicating directly with the host.

Typical configuration:

- **MS-911 or MS-810 Scanner**
- **IB-131:** 99-400005-02 (1 per MS-911)
- **IB-131 Kit:** 98-400002-02 (1 per MS-810)
- **RS-232 Serial Cable:** 61-300026 (for PC)
- **Power Supply:** 97-10004-05 (for each scanner)
- **Trigger:** 99-440001-10 (for each scanner)

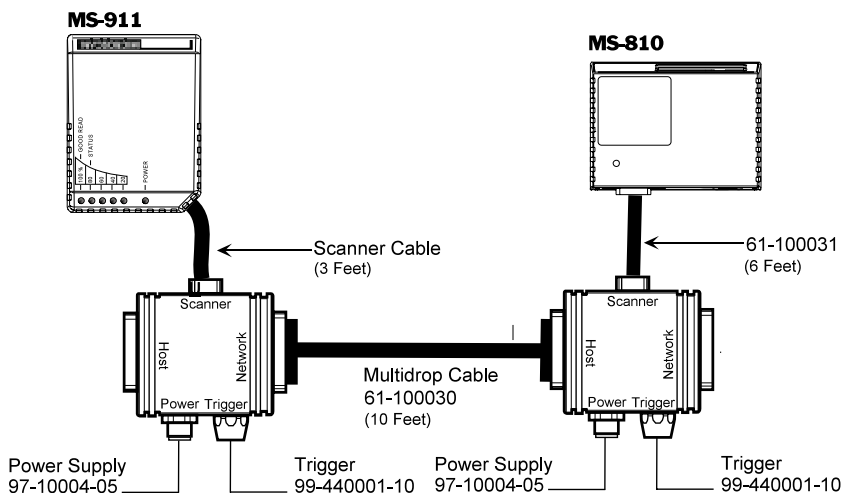


MULTIDROP

This setup allows the user to link multiple scanners together, using only one host.

Typical configuration:

- **Multiple or Combination of MS-911 and MS-810**
- **IB-131:** 99-400005-02 (1 per MS-911)
- **IB-131 Kit:** 98-400002-02 (1 per MS-810)
- **Multidrop Cable:** 61-100030 (connects multiple IB-131s)
- **Power Supply:** 97-10004-05 (for each scanner)
- **Trigger:** 99-440001-10 (for each scanner)

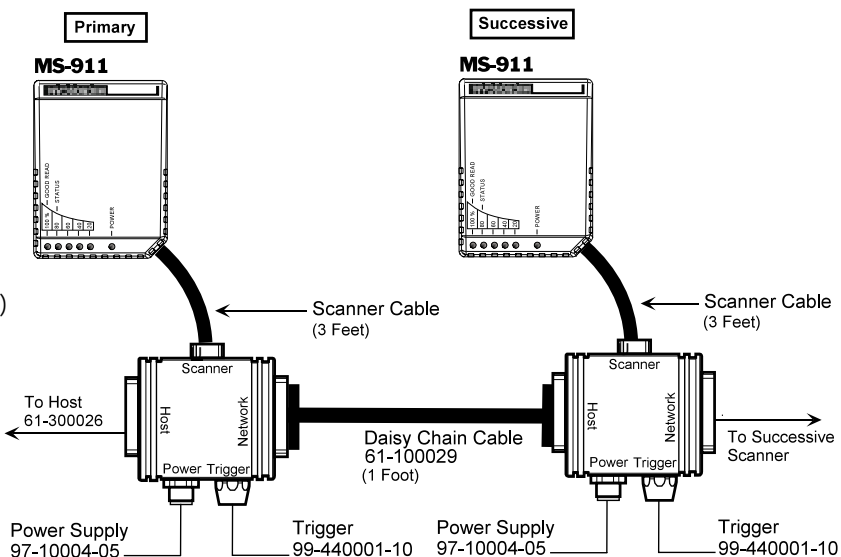


DAISY CHAIN

This setup allows the user to link the primary and successive scanners to function as one scanner.

Typical configuration:

- **Multiple MS-911 scanners**
- **IB-131:** 99-400005-02 (1 per MS-911)
- **Daisy Chain Cable:** 61-100029 (connects multiple IB-131s)
- **Power Supply:** 97-10004-05 (for each scanner)
- **Trigger:** 99-440001-10 (for each scanner)



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