IB–3 and IC–3 Series

IB-3 and IC-3 series devices can be used with all Omron Microscan 5V, 15-pin barcode readers.*

IB–3USB

The IB-3USB is a USB keyboard wedge device that sends data from a reader to a PC's USB port to be translated as keyboard data.

- RS-232 is connected to IB-3USB.
- Power is provided from the USB connector.
- Available with USB 2.X to serial 9-pin RS-232 connector.

IC–3USB

The IC-3USB allows the barcode reader to be connected to a PC's USB 1.X connector.

- When the barcode reader is connected through the IC-3USB, its data is compatible with the USB 1.X protocol.
- The IC-3USB allows the barcode reader to draw 5 VDC from the USB connector, thus allowing the IC-3USB and a reader to function without an external power supply.

IC–332

The IC-332 allows the barcode reader to be connected to the IB-131.

- The IC-332 provides 5VDC for the barcode reader from the 10-28V power, which is connected to the IB-131.
- The IC-332 provides optoisolation for the trigger input and programmable outputs of the barcode reader.

**The IC-3USB's 15-pin-to-9-pin converter must be used to connect the reader to the PC.*

For more information on these products, visit ***www.microscan.com****.*

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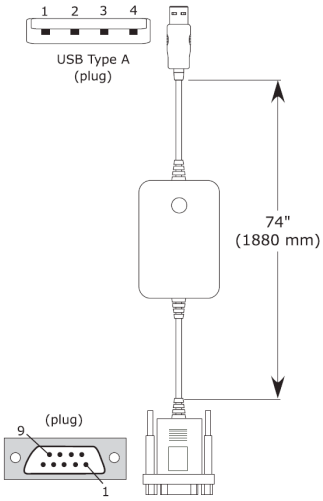
IB–3 and IC–3 Series Specifications and Options

IB–3USB



ELECTRICAL
Power: USB bus powered, 5VDC, +/- 5%, 200 mV p-p max. ripple, 260 mA and 50 mA @ 5 VDC (typ.) (scanner and wedge)

CE MARK
General immunity: EN 55024:1998 ITE Immunity Standard
Radiated and conducted emissions of ITE equipment: EN 55022:98 ITE Disturbances

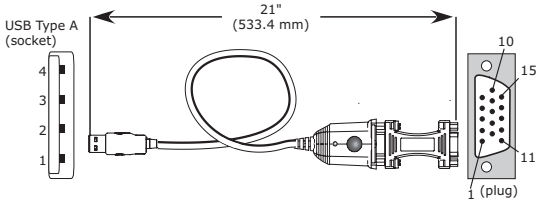
HOST CONNECTOR
9-Pin D-sub Plug

Pin	Signal
1	NC
2	RxD
3	TxD
4	NC
5	GND
6	NC
7	NC
8	NC
9	Power +5VDC

USB TYPE A CONNECTOR
4-Pin D-Sub Plug

Pin	Signal
1	+5
2	-Data
3	+Data
4	GND

IC–3USB

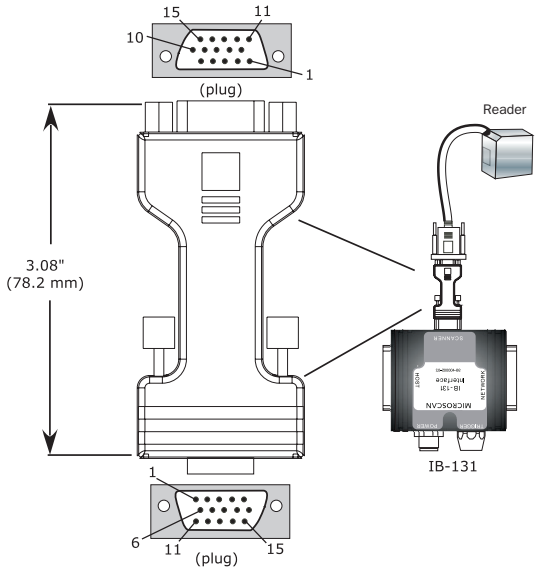


ELECTRICAL
Power: USB bus powered, 5 VDC, +/- 5%, 200 mV p-p max. ripple, 260 mA & 50 mA @ 5VDC (typ.)

USB TYPE A CONNECTOR
4 Pin D-sub Plug

Pin	Signal
1	+5
2	-Data
3	+Data
4	GND

IC–332



IC-332 TO SCANNER CONNECTOR
15 Pin D-sub Plug (with fixed nuts)

Pin No.	Host RS232	Host/Aux RS232	Host RS422/485	In/ Out
1	Power +5 VDC			Out
2	TxD	TxD	TxD(–)	In
3	RxD	RxD	RxD(–)	Out
4	Power/Signal Ground			
5	NC			
6	RTS	Aux TxD	TxD(+)	In
7	Output 1 TTL			In
8	Default configuration			Out
9	Trigger			Out
10	CTS	Aux RxD	RxD (+)	Out
11	Output 3 TTL			In
12	New Master (NPN)			Out
13	Chassis ground			
14	Output 2 TTL			In
15	NC			

IC-332 TO IB-131 CONNECTOR
15 Pin D-sub Plug (with thumb screws)

Pin No.	Host RS232	Host/Aux RS232	Host RS422/485	In/ Out
1	Power +10 to 28 VDC			In
2	Host TxD	Host TxD	TxD(–)	Out
3	Host RxD	Host RxD	RxD(–)	In
4	Power/Signal Ground			
5	Trigger (–)			In
6	RTS	Aux TxD	TxD(+)	Out
7	Ouput 1 (+)			Out
8	Default configuration			In
9	Trigger (+)			In
10	CTS	Aux RxD	RxD (+)	In
11	Output 3 (+)			In
12	New Master (+)			In
13	Chassis ground			
14	Output 2 (+)			Out
15	Outputs 1,2,3 (–)			Out

ELECTRICAL
Input Power Requirements: 10–28VDC, 200 mV p–p max ripple, 54 mA and 9 mA @ 24VDC (typ.) (scanner and IC-332)

DISCRETE I/O
Trigger Input: Optoisolated, 5–28V rated (23 mA at 24VDC)
New Master Input: Optoisolated, 5-28V rated (23 mA at 24VDC), New Master (–) to signal ground
Outputs (1,2,3): Optoisolated, 1-28V rated, (I_{CE} < 100 mA max, must be limited by user)

CE MARK
General Immunity: EN 55024: 1998 ITE Immunity
Standard Radiated and Conducted Emissions: EN 55022: 1998 ITE Disturbances

SAFETY CERTIFICATIONS
FCC, UL/cUL, CE

RoHS-COMPLIANT

QMS CERTIFICATION
www.microscan.com/quality

Warranty–For current warranty information on these products, please visit www.microscan.com/warranty.

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