

DATALOGIC

ADP-015

10-30 Vdc to 5 Vdc Converter for DS1500 Connection to C-Box 100



- 10-30Vdc to 5Vdc built-in converter
- External Trigger opto-coupling (both NPN and PNP trigger configurations allowed)

NOTE: Based on the DS1500 software configuration, this adapter supports either the Aux RS232 Interface (WinHost connectivity and point-to-point) or the Main RS485HD Interface (Multiplexer layout) but not simultaneously.

Due to cable wiring, it does NOT support the Main RS232 Interface nor the Main RS485FD Interface. Therefore it cannot be used in Pass-Through or RS232 Master/Slave solutions.

C-Box 100 pinout			
Pin	Name	Pin	Name
1, 3, 5	VS	29	NC
2, 4, 6	GND	30	IO REF
7, 8	RS485 EARTH GROUND	31	NC
*9, 13	CABLE SHIELD	32	NC
20, 40	RESERVED	33	RESERVED
35	TX AUX	34	RESERVED
37	RX AUX	36	NC
21	OUT1+	38	NC
22	OUT REF (internally connected to GND)	39	GND
23	OUT2+	*11, 15	RTX485+
24	OUT REF (internally connected to GND)	*12, 16	RTX485-
25	NC	17	
26	NC	18	
27	EXT TRIG+	*10, 14, 19	SGND MAIN
28	EXT TRIG-		



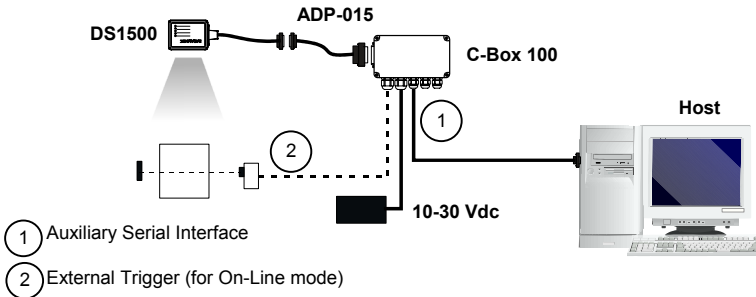
Point-to-Point RS232

In this layout the data is transmitted to the Host on the Auxiliary serial interface. WinHost or Host Mode programming can be accomplished through the Auxiliary interface.

Software Configuration:

Main Int. Serial Interface Type = RS232; **Aux Int.** Communication Mode = Local Echo

When On-Line Operating mode is used, the scanner is activated by an External Trigger (photoelectric sensor) when the object enters its reading zone.



Multiplexer Layout

Each scanner is connected to a Multiplexer (for example MX4000) with the RS485 half-duplex main interface.

Software Configuration:

Main Int. Serial Interface Type = RS485; **Main Int.** Protocol Type = MUX32

When On-Line Operating mode is used, the scanner is activated by an External Trigger (photoelectric sensor) when the object enters its reading zone.

