One or more Matrix 120™ USB models can be connected to a USB Hub. The HUB must be able to supply 500 mA to each port.
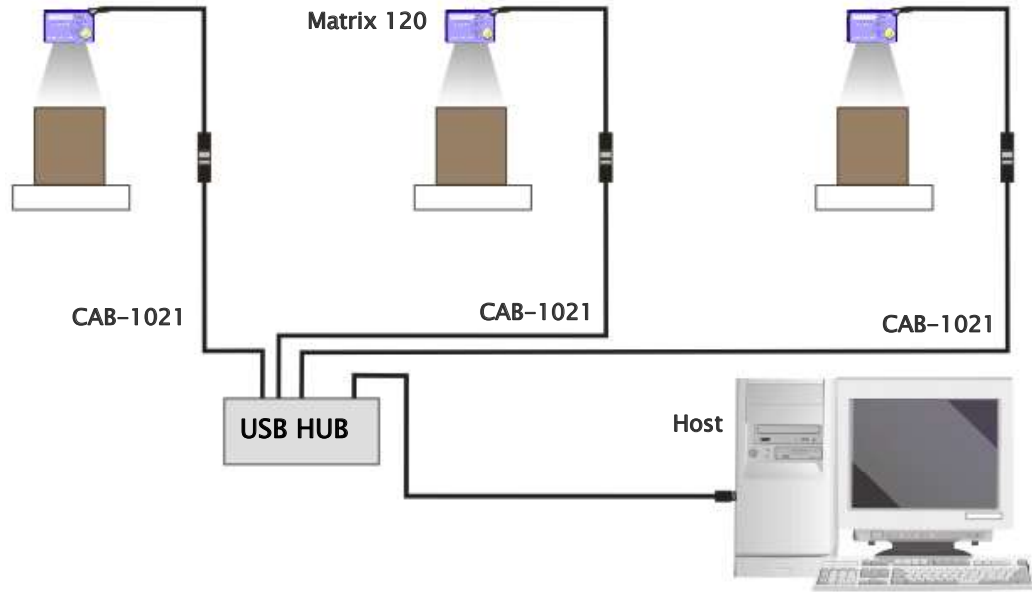

Figure 58 – USB Layout to HUB

The CAB-1051 allows I/O devices to be connected to the reader when using the USB interface.
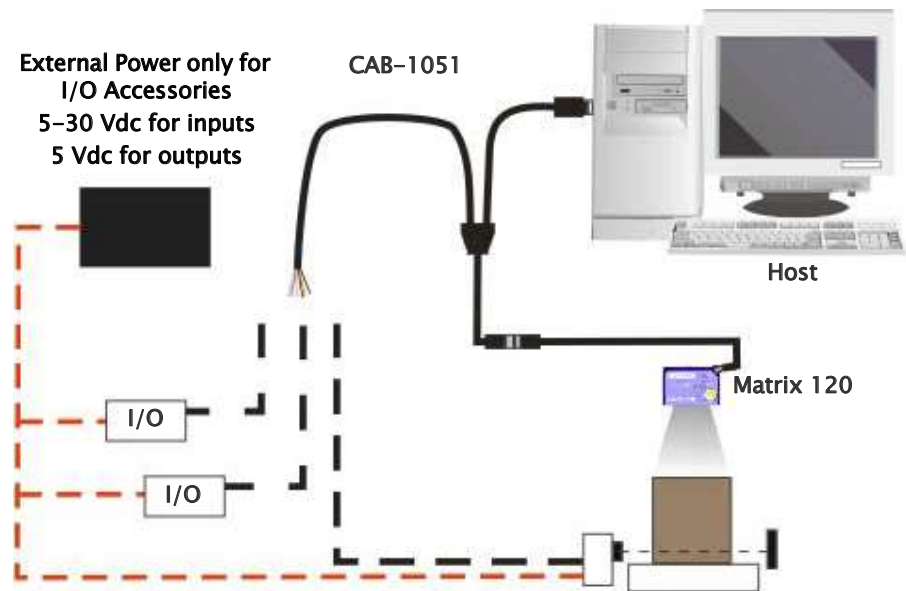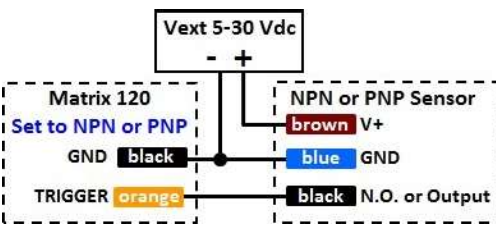

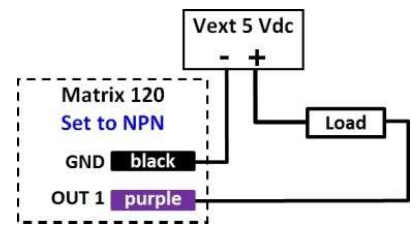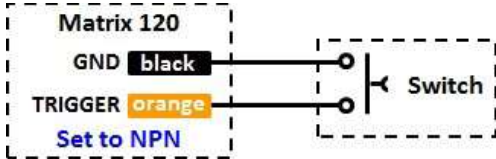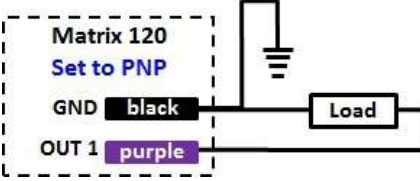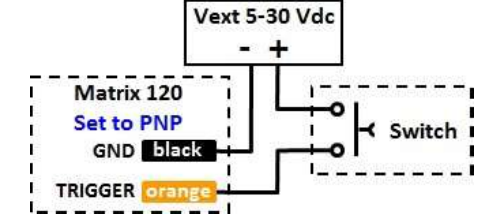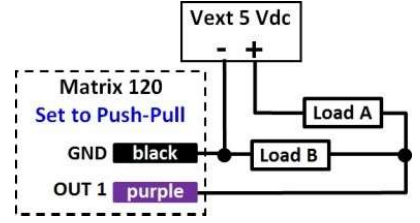**Figure 59 - USB Point-to-Point Layout with I/O**

The electrical connections between I/O devices and CAB-1051, together with the relative Matrix 120™ Line Type parameter settings are shown below.

Inputs	Outputs
V_{ext} = 5-30 Vdc max I_{IN} = 3.5 mA max	V_{ext} = 5 Vdc max I_{CE} = 100 mA max

Inputs	Outputs
	  V_{out} = 3.3 Vdc max I_{out} = 50 mA max
CAB-1051 Input 1 (Trigger) = orange Input 2 = gray GND = black	CAB-1051 Output 1 = purple Output 2 = red/white GND = black

DATALOGIC