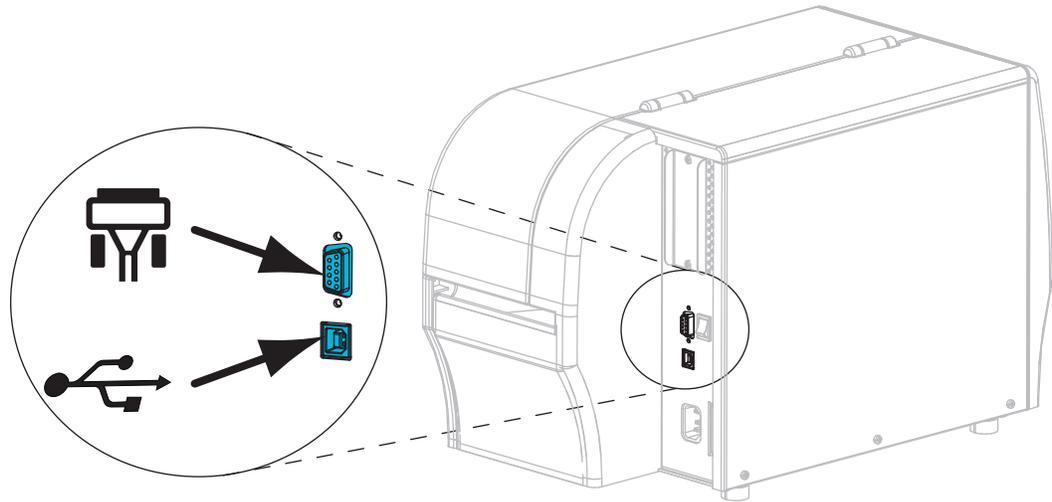


Select a Data Communication Interface

You may connect your printer to a computer using one or more of the available connections. The standard connections are shown in [Figure 8](#). A ZebraNet wired or wireless print server option or a parallel port may also be present on your printer.

Figure 8 • Communication Interfaces



	Serial port
	USB 2.0 port

[Table 5 on page 47](#) provides basic information about data communication interfaces that you can use to connect your printer to a computer. You may send label formats to the printer through any data communication interface that is available. Select an interface that is supported by both your printer and your computer or your Local Area Network (LAN).

Caution • Ensure that the printer power is off (O) before connecting data communications cables. Connecting a data communications cable while the power is on (I) may damage the printer.

Table 5 • Data Communication Interfaces

Interface	Standard or Option	Description
RS-232 Serial	Standard	<p>Limitations and Requirements</p> <ul style="list-style-type: none"> • Maximum cable length of 50 ft (15.24 m). • You may need to change printer parameters to match the host computer. • You need to use a null-modem adaptor to connect to the printer if using a standard modem cable. <p>Connections and Configuration The baud rate, number of data and stop bits, the parity, and the XON/XOFF or DTR control must match those of the host computer.</p>
USB	Standard	<p>Limitations and Requirements</p> <ul style="list-style-type: none"> • Maximum cable length of 16.4 ft (5 m). • No printer parameter changes required to match the host computer. <p>Connections and Configuration No additional configuration is necessary.</p>
8-bit Parallel data interface	Option	<p>Limitations and Requirements</p> <ul style="list-style-type: none"> • Maximum cable length of 10 ft (3 m). • Recommended cable length of 6 ft (1.83 m). • No printer parameter changes required to match the host computer. • A wired or wireless print server (if installed) takes up this port on the printer. <p>Connections and Configuration No additional configuration is necessary.</p>
Wired Ethernet print server	Option	<p>Limitations and Requirements</p> <ul style="list-style-type: none"> • Can print to the printer from any computer on your LAN. • Can communicate with the printer through the printer’s web pages. • The printer must be configured to use your LAN. • A parallel connection or a wireless print server (if installed) takes up this port on the printer. <p>Caution • Be careful not to plug a USB cable into a wired Ethernet print server connector on the printer because doing so will damage the Ethernet connector.</p> <p>Connections and Configuration Refer to the <i>ZebraNet Wired and Wireless Print Servers User Guide</i> for configuration instructions. A copy of this manual is available at http://www.zebra.com/manuals or on the user CD that came with your printer.</p> <p> Note • To use this connection, you may need to remove a factory-installed plug that is designed to keep someone from accidentally plugging a USB connector into this port.</p>

Table 5 • Data Communication Interfaces (Continued)

Interface	Standard or Option	Description
Wireless print server	Option	<p>Limitations and Requirements</p> <ul style="list-style-type: none"> • Can print to the printer from any computer on your Wireless Local Area Network (WLAN). • Can communicate with the printer through the printer’s web pages. • The printer must be configured to use your WLAN. • A parallel connection or a wired print server (if installed) takes up this port on the printer. <hr/> <p>Configuration Refer to the <i>ZebraNet Wired and Wireless Print Servers User Guide</i> for configuration instructions. A copy of this manual is available at http://www.zebra.com/manuals or on the user CD that came with your printer.</p>

Data Cables

You must supply all data cables for your application.

Ethernet cables do not require shielding, but all other data cables must be fully shielded and fitted with metal or metallized connector shells. Unshielded data cables may increase radiated emissions above the regulated limits.

To minimize electrical noise pickup in the cable:

- Keep data cables as short as possible.
- Do not bundle the data cables tightly with the power cords.
- Do not tie the data cables to power wire conduits.