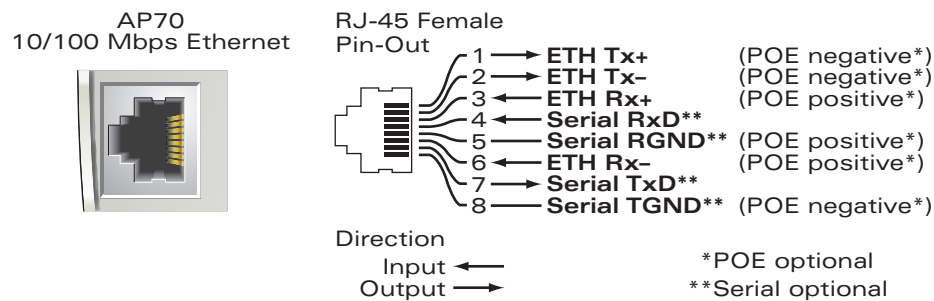


FE Ports

The ENET0 and ENET1 10/100 Mbps Ethernet ports attach the Aruba 70 to a 10Base-T/100Base-TX (twisted pair) LAN segment. Both ports support Power over Ethernet (PoE). ENET0 also supports Serial over Ethernet (SoE) and auto-sensing MDI/MDX.

The port pin-outs are shown in [Figure 6](#):

Figure 6 Aruba AP-70 Access Point FE Port



The appropriate cable depends on the level of connectivity required of the FE port:

- If the connecting device supports Serial and Power Over Ethernet (SPOE), use an 8-conductor, Category 5 UTP, straight-through FE cable with a male RJ-45 connector.

The Aruba 5000 (with Line Card LC-5000-24FE-2GE-SPOE), the Aruba 2400, and the Aruba 800 support SPOE.

- If the connecting device supports only Power Over Ethernet (POE, including IEEE 802.3af POE as well as “inline” or “midspan” POE devices), use an 8- or 4-conductor, Category 5 UTP, straight-through FE cable with male RJ-45 connectors.
- If the connecting device does not support Serial or POE, use a 4- or 8-conductor, Category 5 UTP, FE cable with male RJ-45 connectors. The ENET0 port detects MDI/MDX and automatically adjusts for straight-through or crossover cables.

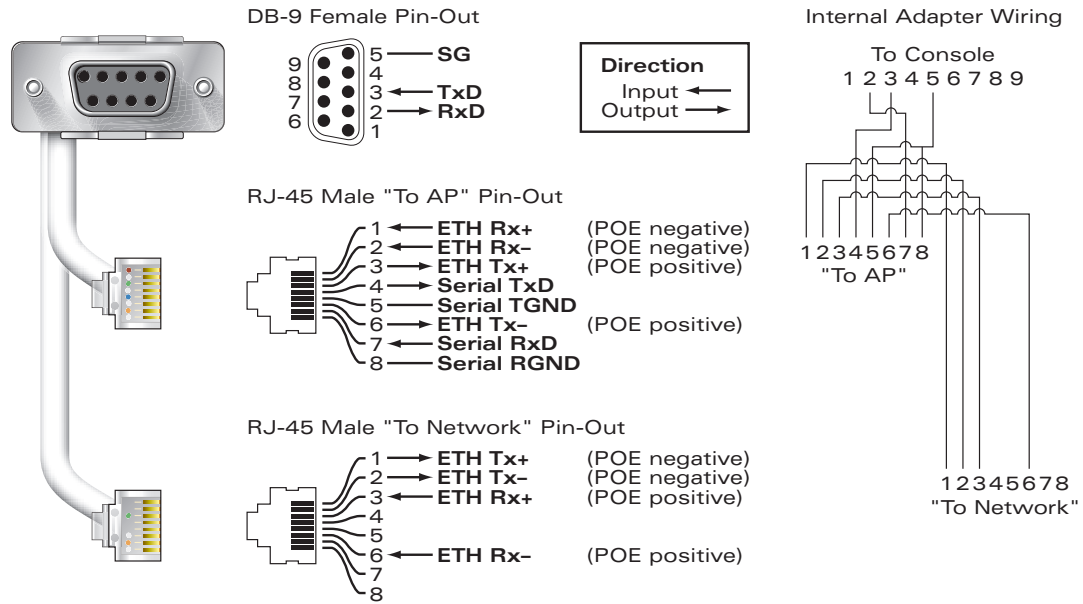
The maximum length for FE cables is 100 meters (325 feet). Install cables in accordance with all applicable local regulations and practices.

Serial Breakout Adapter

The optional serial breakout adapter is used to separate the serial communications lines from the Aruba AP-70 Access Point FE+SPOE port. This allows the administrator to connect a local serial console directly to the AP and access the `apboot` prompt for manual provisioning.

The serial breakout adapter pin-outs are shown in [Figure 7](#):

Figure 7 Aruba Serial Breakout Adapter



DB-9 Specification

The DB-9 connector attaches to the serial port of a console terminal. Communication settings for the port are specified in [Table 3](#):

Table 3 Console Terminal Settings

Baud Rate	Data Bits	Parity	Stop Bits	Flow Control
9600	8	None	1	None

"To AP" Specifications

The RJ-45 connector labeled "To AP" attaches to the Aruba AP-70 Access Point FE port either directly (if the AP is physically available) or indirectly (if the AP is already deployed).

When connecting indirectly, use a straight-through FE coupler to attach the "To AP" connector to the FE cable leading directly to the AP's FE port with no intervening hubs, routers, or other network equipment. The cable must be 8-conductor, Category 5 UTP, straight-through FE cable with a maximum length of 100 meters (325 feet).

Install cables in accordance with all applicable local regulations and practices.

"To Network" Specifications

The RJ-45 connector labeled "To Network" attaches to an FE LAN segment. This connection is optional unless IEEE 802.11af Power Over Ethernet (POE) is used to power the AP during manual provisioning.

A straight-through FE coupler may be used to attach the "To Network" connector to a LAN FE cable. The appropriate cable depends on the level of connectivity required of the FE port.

- If the connecting device supports IEEE 802.3af Power Over Ethernet (POE), use a 4- or 8-conductor, Category 5 UTP, straight-through FE cable with male RJ-45 connectors.

The Aruba 5000 (with Line Card LC-5000-24FE-2GE-SPOE), the Aruba 2400, and the Aruba 800 support SPOE.

- Otherwise, use a 4- or 8-conductor, Category 5 UTP, FE cable with male RJ-45 connectors. The ENET0 port detects MDI/MDX and automatically adjusts for straight-through or crossover cables.



Only IEEE 802.3af Power Over Ethernet is supported for manual provisioning. “Inline” or “midspan” POE devices will not work with the Aruba serial breakout adapter.

The maximum length for FE cables is 100 meters (325 feet).

Install cables in accordance with all applicable local regulations and practices.

USB Port

This Universal Serial Bus port is compliant with Universal Serial Bus Specification rev. 2.0. The USB port pin outs are:

Pin	Description
1 (counting from the outside edge)	Power
2	Signal (negative)
3	Signal (positive)
4	Ground