Cisco Multi-Platform – How to Install 8800 Key Expansion Module

The Cisco IP Phone 8800 Key Expansion Module (KEM) expands the capabilities of your Cisco IP Phone, providing it with additional physical keys that can be programmed with additional directory numbers, speed dial or programmable feature keys.

It is possible to install more than one KEM depending on the exact model of your Cisco IP Phone.

Cisco MPP IP Phone Model	Number of KEMs
Cisco MPP 8851	2 (providing 72 lines or buttons)
Cisco MPP 8861 & 8865	3 (providing 108 lines or buttons)

Installing a Key Expansion Module

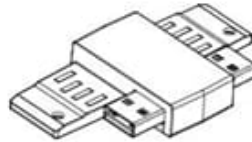**For a Single Key Expansion Module**

Step 1. Disconnect the Ethernet cable from the phone.

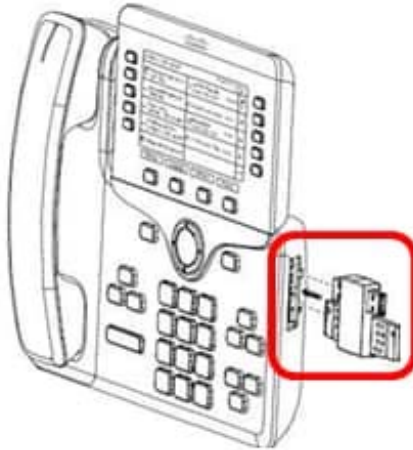Step 2. (Optional) Remove the foot stand from the phone.

Step 3. Remove the two accessory connector covers to uncover the slots for the KEM on the right side of the phone, and on the left side of the KEM.
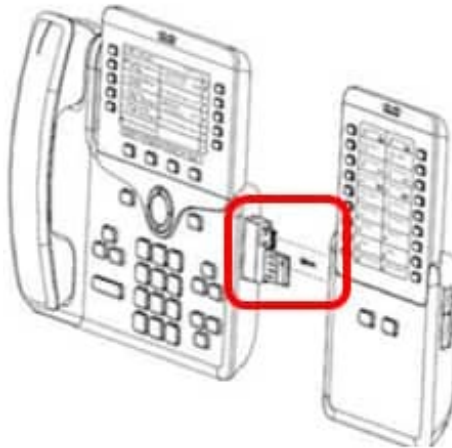

Step 4. Connect one end of the spine connector to the phone.

Note: Ensure that the spine connector is connected to the phone securely.

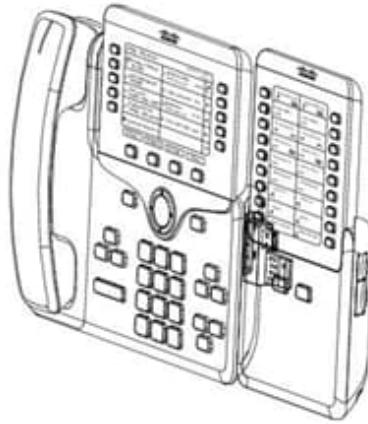Step 5. Connect the other end of the spine connector to the KEM.

Step 6. Fasten the screws into the slots provided at the phone and the KEM.

Step 7. (Optional) Install the foot stand on the phone and on the KEM.

Step 8. Connect the Ethernet cable back into the phone.

You now have connected a KEM to your IP phone.

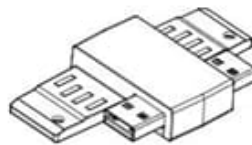**For Multiple Key Expansion Modules**

Step 1. Disconnect the Ethernet cable from the phone.

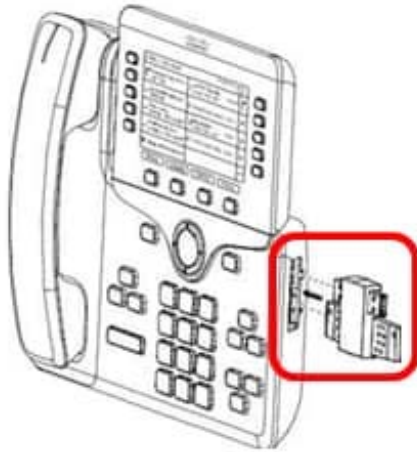Step 2. (Optional) Remove the foot stand from the phone.

Step 3. Remove the two accessory connector covers to uncover the slots for the KEM on the right side of the first KEM, and on the left side of the second KEM.
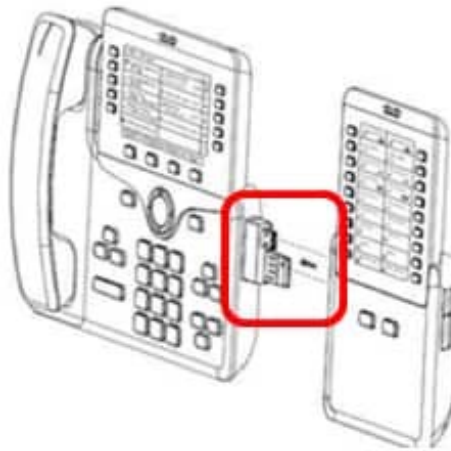

Step 4. Connect one end of the spine connector to the first KEM.

Note: Ensure that it is connected to the first KEM securely.

Step 5. Connect the other end of the spine connector to the second KEM.

Note: Ensure that it is connected to the KEM securely.

Step 6. Repeat steps 4 and 5 to connect a third KEM.

Step 7. Fasten the screws into the added KEMs.

Step 8. (Optional) Attach the foot stands for the phone and the KEMs.

Step 9. Connect the Ethernet cable back into the phone.

You now have connected multiple KEMs to your IP phone.