

[Cisco Unified MeetingPlace Release 6.1](#) > [Cisco Unified MeetingPlace Audio Server](#) > [Installing the hardware](#) > [Installing the Cisco Unified MeetingPlace 8100 Series Hardware](#)

Cisco Systems ships the necessary number of Multi Access Blades with all Cisco Unified MeetingPlace Audio Server systems with E1 and T1 PRI configurations. A Cisco Unified MeetingPlace 8106 supports three Multi Access Blade configurations, and a Cisco Unified MeetingPlace 8112 supports five configurations:

<p>Cisco Unified MeetingPlace 8106</p>	<ul style="list-style-type: none"> • One Multi Access Blade MP-MA-16-PRI • One Multi Access Blade MP-MA-4-PRI • Two Multi Access Blade MP-MA-4-PRIs
<p>Cisco Unified MeetingPlace 8112</p>	<ul style="list-style-type: none"> • One Multi Access Blade MP-MA-16-PRI • One Multi Access Blade MP-MA-4-PRI • Two Multi Access Blade MP-MA-4-PRIs • One Multi Access Blade MP-MA-16-PRI and one Multi Access Blade MP-MA-4-PRI • Two Multi Access Blade MP-MA-16-PRIs

Cisco Unified MeetingPlace Audio Servers with E1 and T1 PRI configurations also ship with either one or two breakout boxes and cables, depending on the Cisco Unified MeetingPlace system configuration.

Note: A Cisco Unified MeetingPlace system that is fully loaded with 960 E1 ports has two MP-MA-16-PRIs and requires two breakout boxes. A Cisco Unified MeetingPlace system that is fully loaded with 736 T1 PRI ports has two MP-MA-16-PRIs and requires two breakout boxes. Both these configurations need a Cisco Unified MeetingPlace 8112.

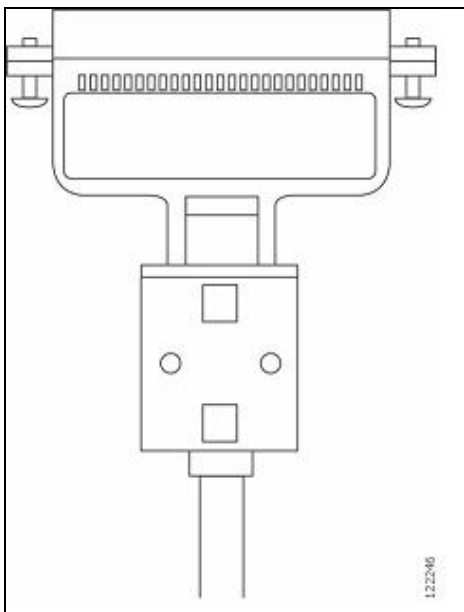
The breakout box provides a standard RJ-45 telephony interface for E1 and T1 PRI Cisco Unified MeetingPlace systems. Cisco Systems ships the necessary number of trunk card interface cable assemblies (50-pin Amphenol cables) that connect the breakout box to the Multi Access Blade transition modules. [Figure: 50-Pin Amphenol Cable](#) shows the 50-pin Amphenol cable.

Contents

- [1 Figure: 50-Pin Amphenol Cable](#)
- [2 Figure: Front of Cisco Unified MeetingPlace 8106 with Cables Connected](#)
- [3 Figure: Front of Cisco Unified MeetingPlace 8112 with Cables Connected](#)
- [4 Connecting E1 or T1 PRI Telephony Cables with One Multi Access Blade MP-MA-16-PRI](#)
 - ◆ [4.1 To Connect the E1 or T1 PRI Telephony Cables with One Multi Access Blade MP-MA-16-PRI](#)
 - ◆ [4.2 Figure: Breakout Box \(Front View\)](#)

- ◆ [4.3 Figure: Breakout Box \(Back View\)](#)
- ◆ [4.4 Figure: Multi Access Blade Transition Module \(Cisco Unified MeetingPlace 8106\)](#)
- ◆ [4.5 Figure: Multi Access Blade Transition Module \(Cisco Unified MeetingPlace 8112\)](#)
- ◆ [4.6 Figure: Back of Cisco Unified MeetingPlace 8106 \(E1 with 1 MP-MA-16-PRI\)](#)
- ◆ [4.7 Figure: Back of Cisco Unified MeetingPlace 8112 \(E1 with 1 MP-MA-16-PRI\)](#)
- ◆ [4.8 Figure: Back of Cisco Unified MeetingPlace 8106 \(T1 PRI with 1 MP-MA-16-PRI\)](#)
- ◆ [4.9 Figure: Back of Cisco Unified MeetingPlace 8112 \(T1 PRI with 1 MP-MA-16-PRI\)](#)
- [5 Connecting E1 or T1 PRI Telephony Cables with One Multi Access Blade MP-MA-4-PRI](#)
 - ◆ [5.1 To Connect E1 or T1 PRI Telephony Cables with One Multi Access Blade MP-MA-4-PRI](#)
- [6 Connecting E1 or T1 PRI Telephony Cables with Two Multi Access Blade MP-MA-4-PRI](#)
 - ◆ [6.1 To Connect E1 or T1 PRI Telephony Cables with Two Multi Access Blade MP-MA-4-PRI](#)
- [7 Connecting E1 or T1 PRI Telephony Cables with One Multi Access Blade MP-MA-16-PRI and One Multi Access Blade MP-MA-4-PRI](#)
 - ◆ [7.1 To Connect E1 or T1 PRI Telephony Cables with One Multi Access Blade MP-MA-16-PRI and One Multi Access Blade MP-MA-4-PRI](#)
- [8 Connecting E1 or T1 PRI Telephony Cables with Two Multi Access Blade MP-MA-16-PRI](#)
 - ◆ [8.1 To Connect E1 or T1 PRI Telephony Cables with Two Multi Access Blade MP-MA-16-PRI](#)

Figure: 50-Pin Amphenol Cable



[View larger image](#)

Cisco Systems ships the necessary number of E1 or T1 PRI telephony cables with the Cisco Unified MeetingPlace Audio Server system. The number depends on the number of ports being activated. You receive one E1 telephony cable for every 30 ports in an E1 Cisco Unified MeetingPlace system, and one T1 PRI telephony cable for every 23 ports in a T1 PRI Cisco Unified MeetingPlace system.

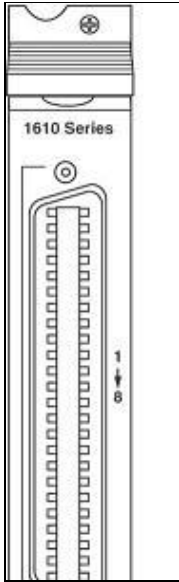
Looking at the back of the Cisco Unified MeetingPlace 8106, the Multi Access Blade transition modules begin in slot 1 on the bottom and move up to slot 6 at the top.

Looking at the back of the Cisco Unified MeetingPlace 8112, the Multi Access Blade transition modules begin in slot 1 on the right and move to the left.

The Smart Blades begin after the last Multi Access Blade and do not have any cables connected to them.

Figure: Front of Cisco Unified MeetingPlace 8106 with Cables Connected shows the cable connections for a Cisco Unified MeetingPlace 8106 with 480 E1 ports.

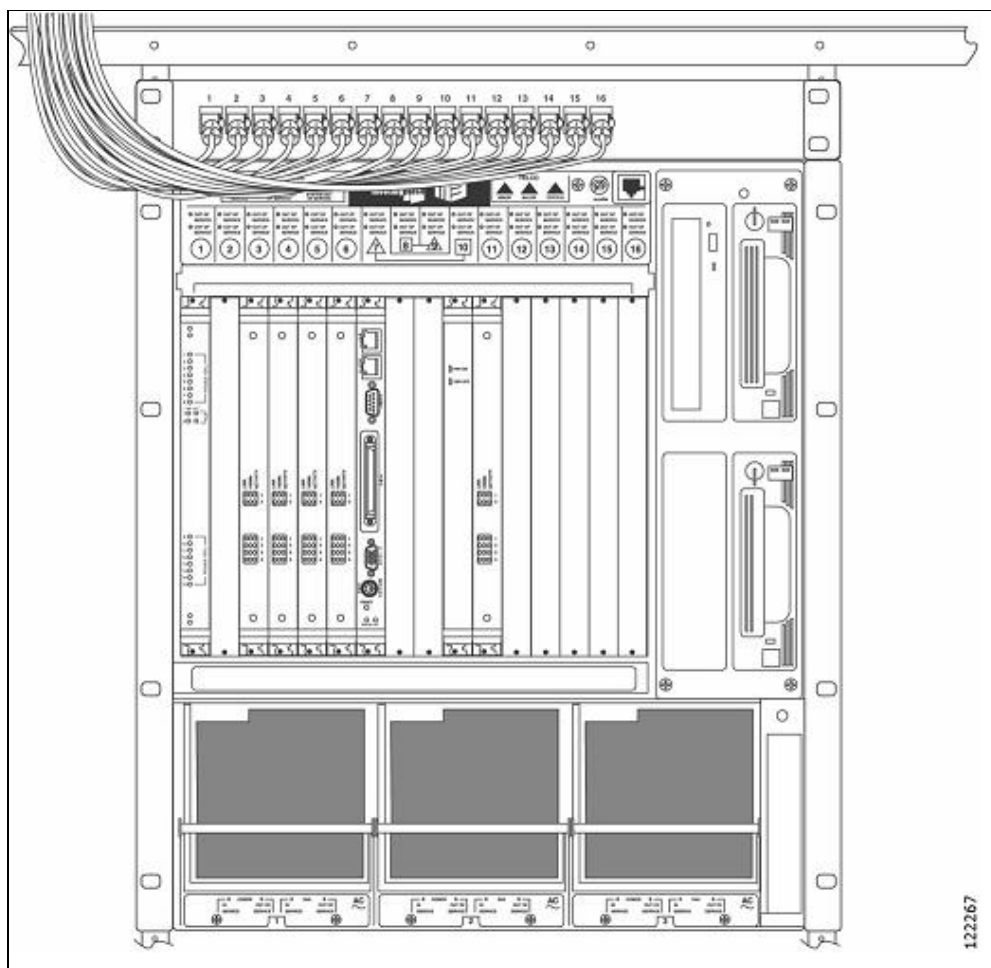
Figure: Front of Cisco Unified MeetingPlace 8106 with Cables Connected



[View larger image](#)

Figure: Front of Cisco Unified MeetingPlace 8112 with Cables Connected shows the cable connections for a Cisco Unified MeetingPlace 8112 with 480 E1 ports.

Figure: Front of Cisco Unified MeetingPlace 8112 with Cables Connected



[View larger image](#)

See the applicable section for your configuration:

- [Connecting E1 or T1 PRI Telephony Cables with One Multi Access Blade MP-MA-16-PRI](#)
- [Connecting E1 or T1 PRI Telephony Cables with One Multi Access Blade MP-MA-4-PRI](#)
- [Connecting E1 or T1 PRI Telephony Cables with Two Multi Access Blade MP-MA-4-PRIs](#)
- [Connecting E1 or T1 PRI Telephony Cables with One Multi Access Blade MP-MA-16-PRI and One Multi Access Blade MP-MA-4-PRI](#)
- [Connecting E1 or T1 PRI Telephony Cables with Two Multi Access Blade MP-MA-16-PRIs](#)

Connecting E1 or T1 PRI Telephony Cables with One Multi Access Blade MP-MA-16-PRI

To Connect the E1 or T1 PRI Telephony Cables with One Multi Access Blade MP-MA-16-PRI

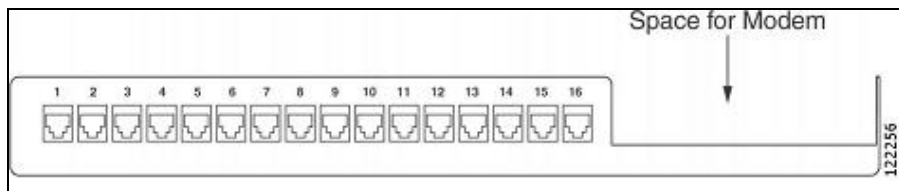
1. Locate the following items shipped with the Cisco Unified MeetingPlace Audio Server:
 - ◆ E1 or T1 PRI telephony cables.
 - ◆ Breakout box, which should already be mounted above the Cisco Unified MeetingPlace Audio Server)
 - ◆ Trunk card interface cable assemblies (50-pin Amphenol cables).
2. Attach the far end of the first E1 or T1 PRI telephony cable to the equipment that will connect with Cisco Unified MeetingPlace.

Figure: Front of Cisco Unified MeetingPlace 8112 with Cables Connected

In many cases, the other equipment has an RJ-48c socket in which to plug the E1 or T1 PRI telephony cable. Alternately, the other equipment will be connected to a punchdown block. In this case, you will need to determine the block's connection diagram and then connect to it with discrete wires from the cable.

3. Plug the other end of the first E1 or T1 PRI telephony cable into the RJ-45 jack, labeled 1, on the far left of the front of the breakout box. Continue from left to right as needed. See [Figure: Breakout Box \(Front View\)](#).

Figure: Breakout Box (Front View)



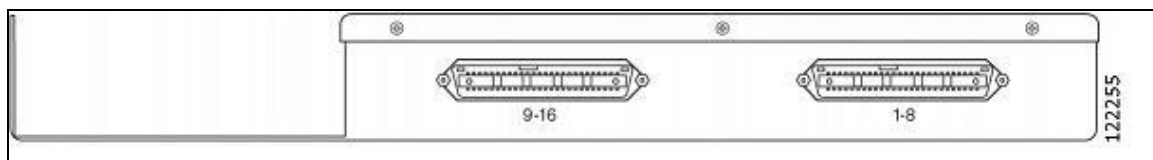
[View larger image](#)

4. Repeat [Step 2](#) and [Step 3](#) until all the E1 or T1 PRI telephony cables are connected to the breakout box.
5. Connect the first trunk card cable assembly (50-pin Amphenol cable) to the back of the breakout box by securing the screws on both ends.

Looking at the back of the breakout box, the connector on the right of the breakout box is for spans 1 to 8, and the connector on the left of the breakout box is for spans 9 to 16. Place the first trunk card cable assembly into the connector on the right.

See [Figure: Breakout Box \(Back View\)](#).

Figure: Breakout Box (Back View)



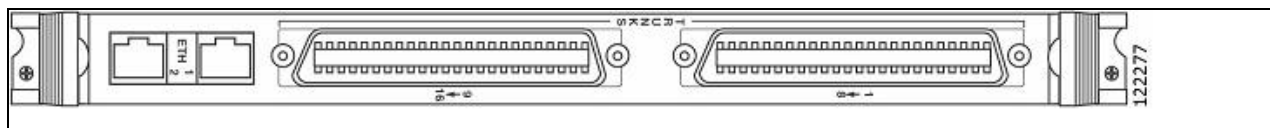
[View larger image](#)

6. Connect the other end of the first trunk card cable assembly (50-pin Amphenol cable) into the Multi Access Blade transition module by securing the screws on both ends.

For the Cisco Unified MeetingPlace 8106, the connector on the right of the Multi Access Blade transition module is for spans 1 to 8 and the connector on the left of the Multi Access Blade transition module is for spans 9 to 16. Place the first trunk card cable assembly into the connector on the right.

See [Figure: Multi Access Blade Transition Module \(Cisco Unified MeetingPlace 8106\)](#).

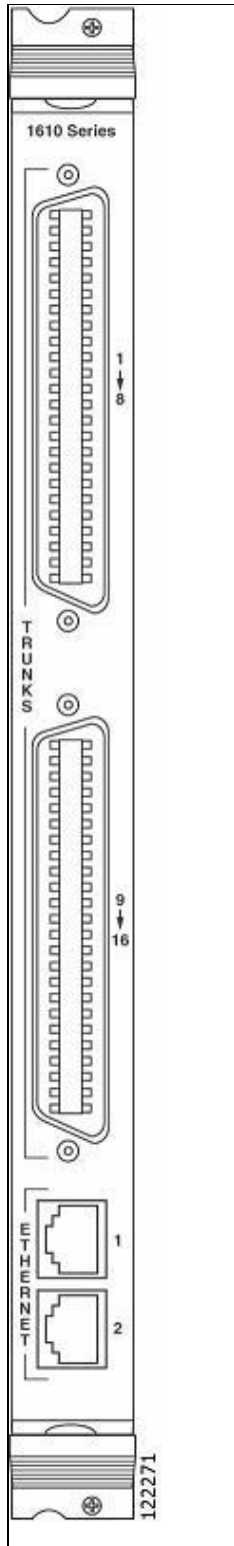
Figure: Multi Access Blade Transition Module (Cisco Unified MeetingPlace 8106)



[View larger image](#)

For the Cisco Unified MeetingPlace 8112, the connector on the top of the Multi Access Blade transition module is for spans 1 to 8 and the connector on the bottom of the Multi Access Blade transition module is for spans 9 to 16. Place this first trunk card cable assembly into the connector on the top. See [Figure: Multi Access Blade Transition Module \(Cisco Unified MeetingPlace 8112\)](#).

Figure: Multi Access Blade Transition Module (Cisco Unified MeetingPlace 8112)



7. Repeat [Step 5](#) and [Step 6](#) for the second trunk card cable assembly (50-pin Amphenol cable).

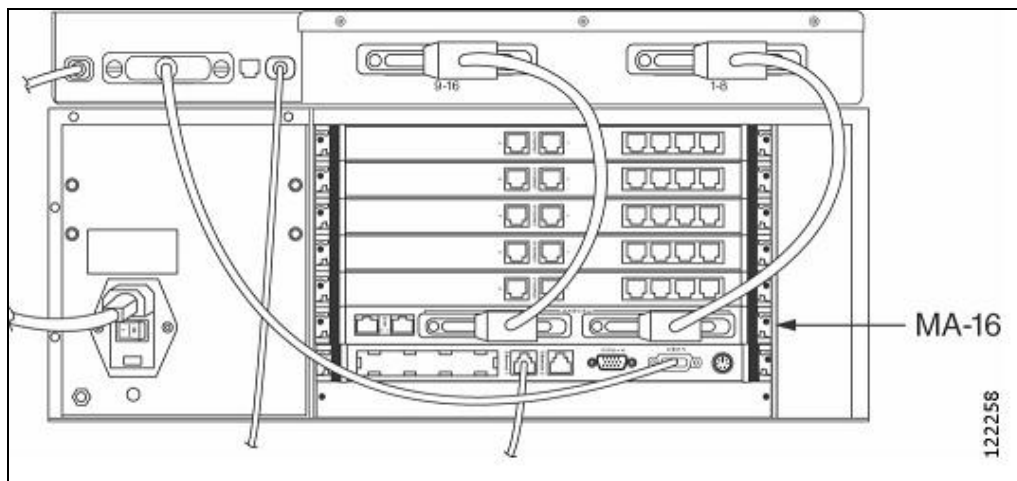
Figure: Multi Access Blade Transition Module (Cisco Unified MeetingPlace 8106)

For the Cisco Unified MeetingPlace 8106, place the second trunk card cable assembly into the connectors on the left of the breakout box and on the left of the Multi Access Blade.

For the Cisco Unified MeetingPlace 8112, place the second trunk card cable assembly into the connectors on the left of the breakout box and on the bottom of the Multi Access Blade.

Figure: Back of Cisco Unified MeetingPlace 8106 (E1 with 1 MP-MA-16-PRI) shows the connections on the back of a Cisco Unified MeetingPlace 8106. This configuration supports 480 E1 ports with one Multi Access Blade card MP-MA-16-PRI.

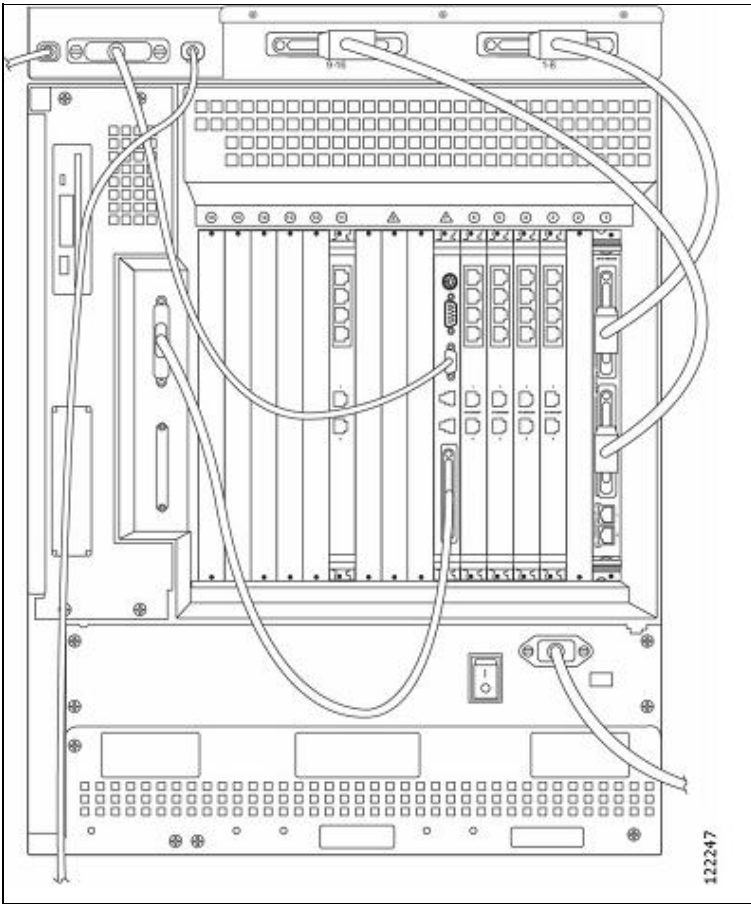
Figure: Back of Cisco Unified MeetingPlace 8106 (E1 with 1 MP-MA-16-PRI)



[View larger image](#)

Figure: Back of Cisco Unified MeetingPlace 8112 (E1 with 1 MP-MA-16-PRI) shows the connections on the back of a Cisco Unified MeetingPlace 8112. This configuration supports 480 E1 ports with one Multi Access Blade card MP-MA-16-PRI.

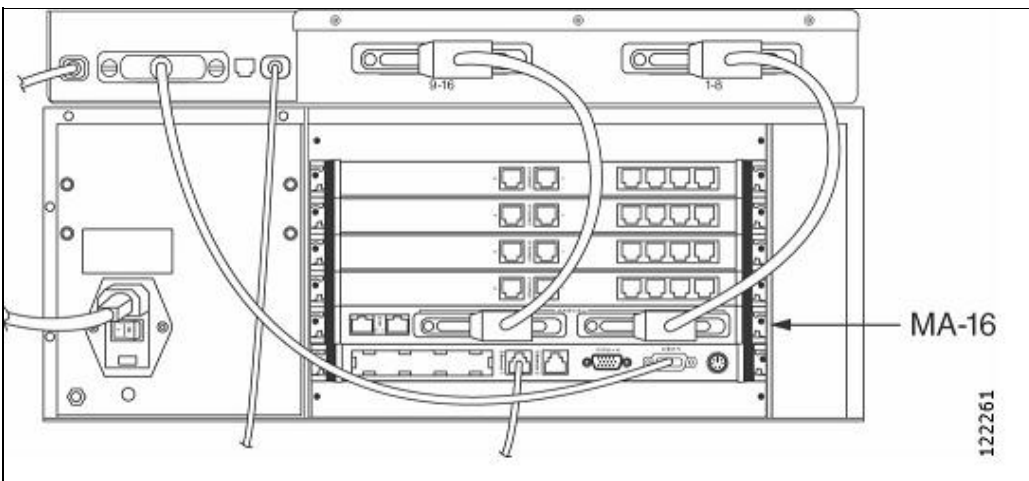
Figure: Back of Cisco Unified MeetingPlace 8112 (E1 with 1 MP-MA-16-PRI)



[View larger image](#)

Figure: Back of Cisco Unified MeetingPlace 8106 (T1 PRI with 1 MP-MA-16-PRI) shows the connections on the back of a Cisco Unified MeetingPlace 8106. This configuration supports 368 T1 PRI ports with one Multi Access Blade card MP-MA-16-PRI.

Figure: Back of Cisco Unified MeetingPlace 8106 (T1 PRI with 1 MP-MA-16-PRI)

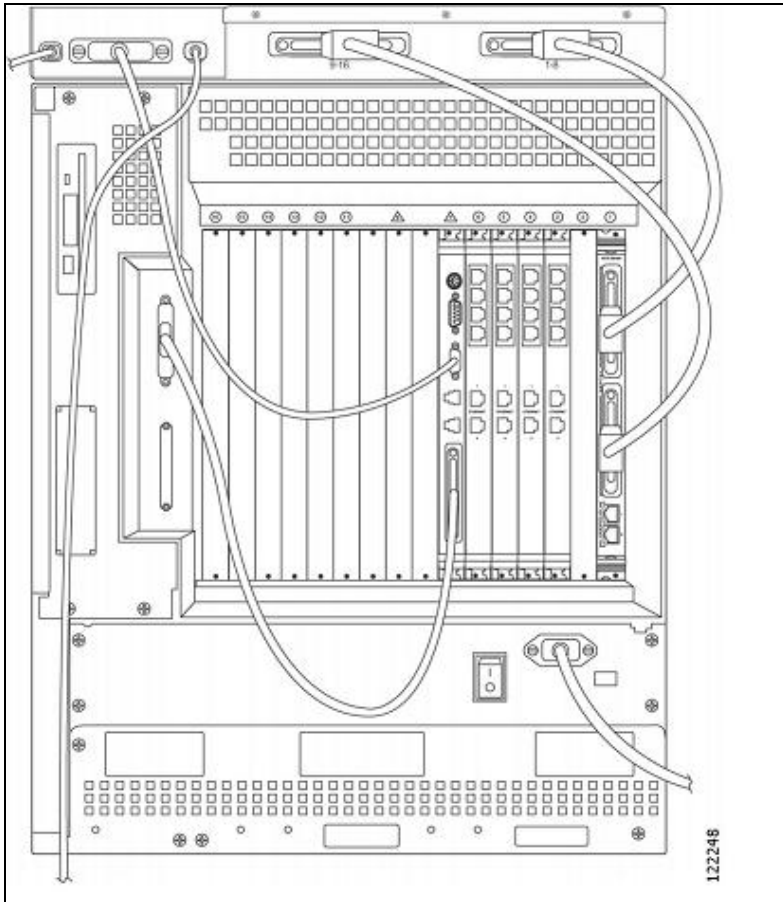


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Figure: Back of Cisco Unified MeetingPlace 8112 (T1 PRI with 1 MP-MA-16-PRI) shows the connections on the back of a Cisco Unified MeetingPlace 8112. This configuration supports 368 T1 PRI ports with one Multi Access Blade card MP-MA-16-PRI.

Figure: Back of Cisco Unified MeetingPlace 8112 (E1 with 1 MP-MA-16-PRI)

Figure: Back of Cisco Unified MeetingPlace 8112 (T1 PRI with 1 MP-MA-16-PRI)



[View larger image](#)

Connecting E1 or T1 PRI Telephony Cables with One Multi Access Blade MP-MA-4-PRI

To Connect E1 or T1 PRI Telephony Cables with One Multi Access Blade MP-MA-4-PRI

1. Locate the following items that shipped with the Cisco Unified MeetingPlace Audio Server:
 - ◆ E1 or T1 PRI telephony cables.
 - ◆ Breakout box, which should already be mounted above the Cisco Unified MeetingPlace Audio Server.
 - ◆ Trunk card interface cable assemblies (50-pin Amphenol cables).
2. Attach the far end of the first E1 or T1 PRI telephony cable to the equipment that will connect with Cisco Unified MeetingPlace.

In many cases, the other equipment has an RJ-48c socket in which to plug the E1 or T1 PRI telephony cable. Alternately, the other equipment will be connected to a punchdown block. In this case, you will need to determine the block's connection diagram and then connect to it with discrete wires from the cable.
3. Plug the other end of the first E1 or T1 PRI telephony cable into the RJ-45 jack, labeled 1, on the far left of the front of the breakout box. Continue from left to right as needed.
4. Repeat [Step 2](#) and [Step 3](#) until all four E1 or T1 PRI telephony cables are connected to the breakout box. Place the second, third, and fourth E1 or T1 PRI telephony cables into the RJ-45 jacks labeled 2, 3, and 4.

5. Connect the trunk card cable assembly (50-pin Amphenol cable) to the back of the breakout box by securing the screws on both ends.

Looking at the back of the breakout box, the connector on the right of the breakout box is for spans 1 to 8 and the connector on the left of the breakout box is for spans 9 to 16. Place the trunk card cable assembly into the connector on the right. See [Figure: Breakout Box \(Back View\)](#).
6. Connect the other end of the trunk card cable assembly (50-pin Amphenol cable) to the Multi Access Blade transition module by securing the screws on both ends.

For the Cisco Unified MeetingPlace 8106, place the 50-pin Amphenol cable into the connector on the left, labeled spans 9 to 16.

For the Cisco Unified MeetingPlace 8112, place the 50-pin Amphenol cable into the connector on the bottom, labeled spans 9 to 16.

Connecting E1 or T1 PRI Telephony Cables with Two Multi Access Blade MP-MA-4-PRIs

To Connect E1 or T1 PRI Telephony Cables with Two Multi Access Blade MP-MA-4-PRIs

1. Locate the following items that shipped with the Cisco Unified MeetingPlace Audio Server:
 - ◆ E1 or T1 PRI telephony cables.
 - ◆ Breakout box, which should already be mounted above the Cisco Unified MeetingPlace Audio Server.
 - ◆ Trunk card interface cable assemblies (50-pin Amphenol cables)
2. Attach the far end of the first E1 or T1 PRI telephony cable to the equipment that will connect with Cisco Unified MeetingPlace.

In many cases, the other equipment has an RJ-48c socket in which to plug the E1 or T1 PRI telephony cable. Alternately, the other equipment will be connected to a punchdown block. In this case, you will need to determine the block's connection diagram and then connect to it with discrete wires from the cable.
3. Plug the other end of the first E1 or T1 PRI telephony cable into the RJ-45 jack, labeled 1, on the far left of the front of the breakout box.
4. Repeat [Step 2](#) and [Step 3](#) until all the E1 or T1 PRI telephony cables are connected to the breakout box.

Place the second, third, and fourth E1 or T1 PRI telephony cables, which correspond to the first MP-MA-4-PRI, into the RJ-45 jacks labeled 2, 3, and 4. Place the second set of four E1 or T1 PRI telephony cables, which corresponds to the second MP-MA-4-PRI, into the RJ-45 jacks labeled 9, 10, 11, and 12.

Note: The RJ-45 jacks labeled 5 to 8 and 13 to 16 remain empty.
5. Connect the trunk card cable assembly (50-pin Amphenol cable) for the first Multi Access Blade to the back of the breakout box by securing the screws on both ends.

Looking at the back of the breakout box, place the first trunk card cable assembly into the connector on the right.
6. Connect the other end of the trunk card cable assembly (50-pin Amphenol cable) for the first Multi Access Blade into the Multi Access Blade transition module by securing the screws on both ends.

For the Cisco Unified MeetingPlace 8106, place the 50-pin Amphenol cable into the connector on the left, labeled spans 9 to 16.

For the Cisco Unified MeetingPlace 8112, place the 50-pin Amphenol cable into the connector on the bottom, labeled spans 9 to 16.
7. Repeat [Step 5](#) and [Step 6](#) for the trunk card cable assembly (50-pin Amphenol cable) for the second Multi Access Blade.

For the Cisco Unified MeetingPlace 8106, place the 50-pin Amphenol cable into the connector on the left side of the breakout box and on the left of the Multi Access Blade in the connector labeled spans 9 to 16.

For the Cisco Unified MeetingPlace 8112, place the 50-pin Amphenol cable into the connector on the left side of the breakout box and on the bottom of the Multi Access Blade in the connector labeled spans 9 to 16.

Connecting E1 or T1 PRI Telephony Cables with One Multi Access Blade MP-MA-16-PRI and One Multi Access Blade MP-MA-4-PRI

This configuration is supported only on a Cisco Unified MeetingPlace 8112.

To Connect E1 or T1 PRI Telephony Cables with One Multi Access Blade MP-MA-16-PRI and One Multi Access Blade MP-MA-4-PRI

1. Locate the following items that shipped with the Cisco Unified MeetingPlace 8112:
 - ◆ E1 or T1 PRI telephony cables.
 - ◆ Two breakout boxes, which should already be mounted above the Cisco Unified MeetingPlace 8112.
 - ◆ Trunk card interface cable assemblies (50-pin Amphenol cables).
2. Attach the far end of the first E1 or T1 PRI telephony cable to the equipment that will connect with Cisco Unified MeetingPlace.

In many cases, the other equipment has an RJ-48c socket in which to plug the E1 or T1 PRI telephony cable. Alternately, the other equipment will be connected to a punchdown block. In this case, you will need to determine the block's connection diagram and then connect to it with discrete wires from the cable.
3. Plug the other end of the first E1 or T1 PRI telephony cable into the RJ-45 jack, labeled 1, on the far left of the front of the breakout box.
4. Repeat [Step 2](#) and [Step 3](#) until all the E1 or T1 PRI telephony cables are connected to the breakout box.

Place the second, third, and fourth E1 or T1 PRI telephony cables, which correspond to the MP-MA-4-PRI, into the RJ-45 jacks labeled 2, 3, and 4. Place the remaining 16 E1 or T1 PRI telephony cables, which correspond to the MP-MA-16-PRI, into the 16 RJ-45 jacks on the front of the second breakout box. Start with the RJ-45 jack on the left and continue to the right.

Note: The RJ-45 jacks labeled 5 to 16 in the first breakout box remain empty.
5. Connect the trunk card cable assembly (50-pin Amphenol cable) for the first Multi Access Blade (the MP-MA-4-PRI) to the back of the first breakout box by securing the screws on both ends.

Looking at the back of the first breakout box, place the first trunk card cable assembly into the connector on the right.
6. Connect the other end of the trunk card cable assembly (50-pin Amphenol cable) for the first Multi Access Blade (the MP-MA-4-PRI) into the Multi Access Blade transition module by securing the screws on both ends.

Place the 50-pin Amphenol cable into the connector on the **bottom**, labeled spans 9 to 16.
7. Repeat [Step 5](#) and [Step 6](#) for the trunk card cable assembly (50-pin Amphenol cable) for the second Multi Access Blade (the MP-MA-16-PRI).

Place the first trunk card cable assembly into the connector on the left side of the breakout box and on the top of the Multi Access Blade, in the connector labeled spans 1 to 8. Place the second trunk card cable assembly into the connector on the right side of the breakout box and on the bottom of the Multi Access Blade, in the connector labeled spans 9 to 16.

Connecting E1 or T1 PRI Telephony Cables with Two Multi Access Blade MP-MA-16-PRI

This configuration is supported only on a Cisco Unified MeetingPlace 8112.

To Connect E1 or T1 PRI Telephony Cables with Two Multi Access Blade MP-MA-16-PRI

1. Locate the following items that shipped with the Cisco Unified MeetingPlace 8112:
 - ◆ E1 or T1 PRI telephony cables.
 - ◆ Two breakout boxes, which should already be mounted above your Cisco Unified MeetingPlace 8112.
 - ◆ Trunk card interface cable assemblies (50-pin Amphenol cables).
2. Attach the far end of the first E1 or T1 PRI telephony cable to the equipment that will connect with Cisco Unified MeetingPlace.

In many cases, the other equipment has an RJ-48c socket in which to plug the E1 or T1 PRI telephony cable. Alternately, the other equipment will be connected to a punchdown block. In this case, you will need to determine the block's connection diagram and then connect to it with discrete wires from the cable.
3. Plug the other end of the first E1 or T1 PRI telephony cable into the RJ-45 jack, labeled 1, on the far left of the front of the breakout box.
4. Repeat [Step 2](#) and [Step 3](#) until all the E1 or T1 PRI telephony cables are connected to the first breakout box for the first MP-MA-16-PRI. For the second MP-MA-16-PRI, repeat [Step 2](#) and [Step 3](#) to connect the second set of 16 E1 or T1 PRI telephony cables to the second breakout box.
5. Connect the trunk card cable assemblies (50-pin Amphenol cable) for the first MP-MA-16-PRI to the back of the first breakout box by securing the screws on both ends.

Looking at the back of the breakout box, place the first trunk card cable assembly into the connector on the right.
6. Connect the other end of the trunk card cable assembly (50-pin Amphenol cable) for the first MP-MA-16-PRI into the Multi Access Blade transition module by securing the screws on both ends.

Place the trunk card cable assembly into the connector on the **bottom**, labeled spans 9 to 16.
7. Repeat [Step 5](#) and [Step 6](#) for the second trunk card cable assembly (50-pin Amphenol cable) for the first MP-MA-16-PRI.

The second trunk card cable assembly should go into the connector on the left side of the breakout box and on the right side of the Multi Access Blade, in the connector labeled spans 9 to 16.
8. Repeat [Step 5](#) through [Step 7](#) for the trunk card cable assemblies (50-pin Amphenol cables) for the second MP-MA-16-PRI.