



Installing the RJ-45 Bracket and Cable on the Cisco ONS 15454 Rack

This document describes how to install the optional RJ-45 bracket and cable on the Cisco ONS 15454 equipment rack. This kit, included in the ONS 15454 ship kit, allows the rear LAN pins to be terminated using an RJ-45 interface attached to the equipment rack. Use this document in conjunction with the *Cisco ONS 15454 Procedure Guide* and *Cisco ONS 15454 Reference Manual* when working with system components.

The RJ-45 ships with accessory kit (53-2329-01), which ships with the following product IDs:

- 15454-SA-HD=
- 15454-HD-SHIPKIT=
- 15454-SA-HD-DDR=

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Install the Bracket and RJ-45 Cable

You will need the following equipment to install the RJ-45 kit:

- #2 Phillips screwdriver
- 12-24 screws (2)
- RJ-45 kit (as part of the ONS 15454 accessory kit, 53-2329-01)
 - RJ-45 bracket with cover
 - RJ-45 wire-wrap cable assembly

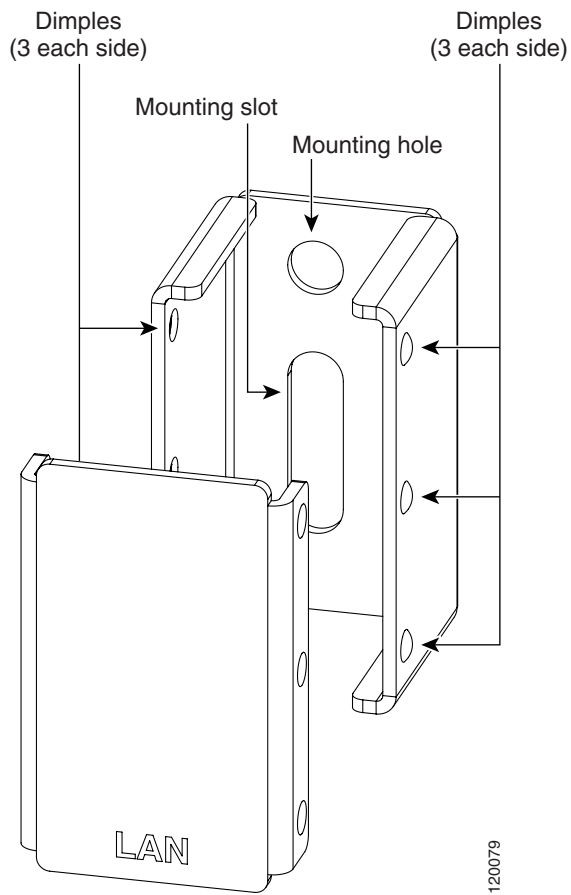
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- Step 1** Identify the shelf where you want to install the RJ-45 interface.
- Step 2** Locate the mounting holes on the rear of the rack where you will install the RJ-45 bracket.



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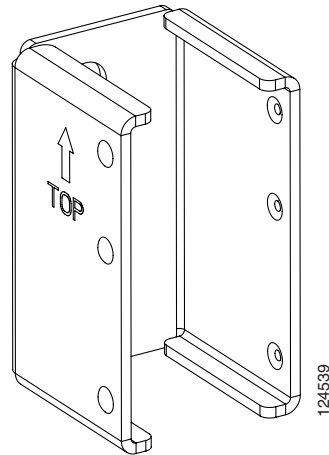
Step 3 Locate the mounting holes on the bracket ([Figure 1](#)).

Figure 1 *Mounting Holes on the RJ-45 Bracket*



Step 4 Line up the mounting holes on the bracket with the mounting holes on the rack, making sure the "TOP" indicator is oriented properly ([Figure 2](#)).

Figure 2 *RJ-45 Bracket Orientation*



Step 5 Using a #2 Phillips screwdriver, install the two screws in the appropriate locations on the mounting hole and mounting slot of the bracket.

[Figure 3](#) and [Figure 4](#) show examples of the RJ-45 kit installed on 19- and 23-inch racks, respectively.

Figure 3 *RJ-45 Kit Installed on a 19-Inch Rack*

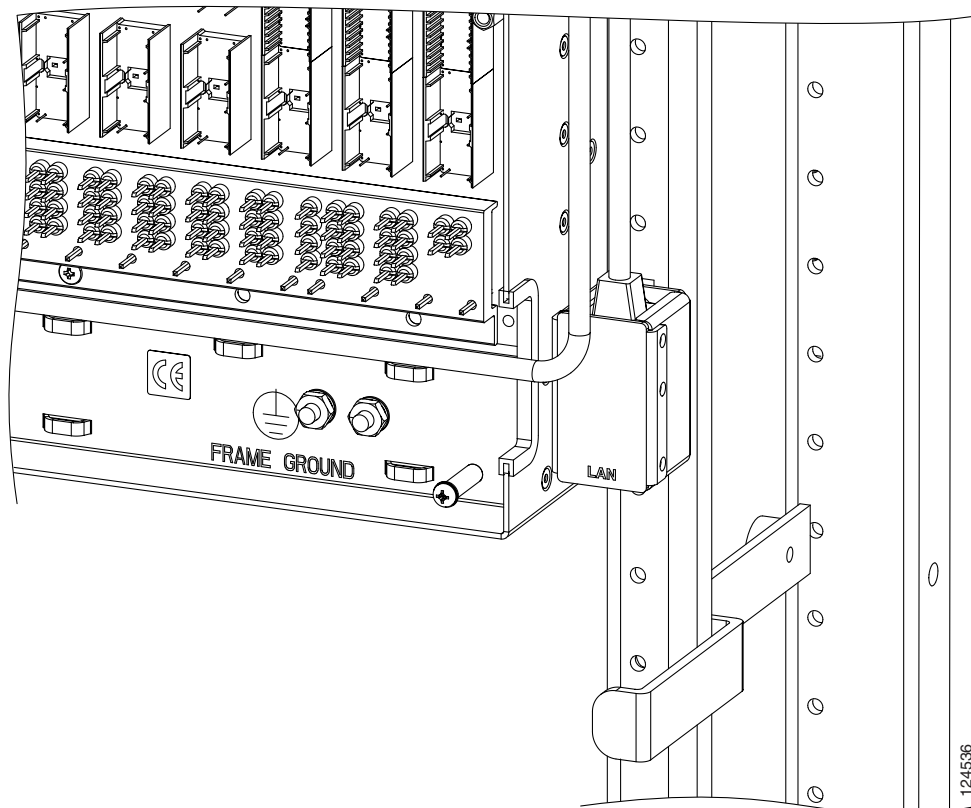
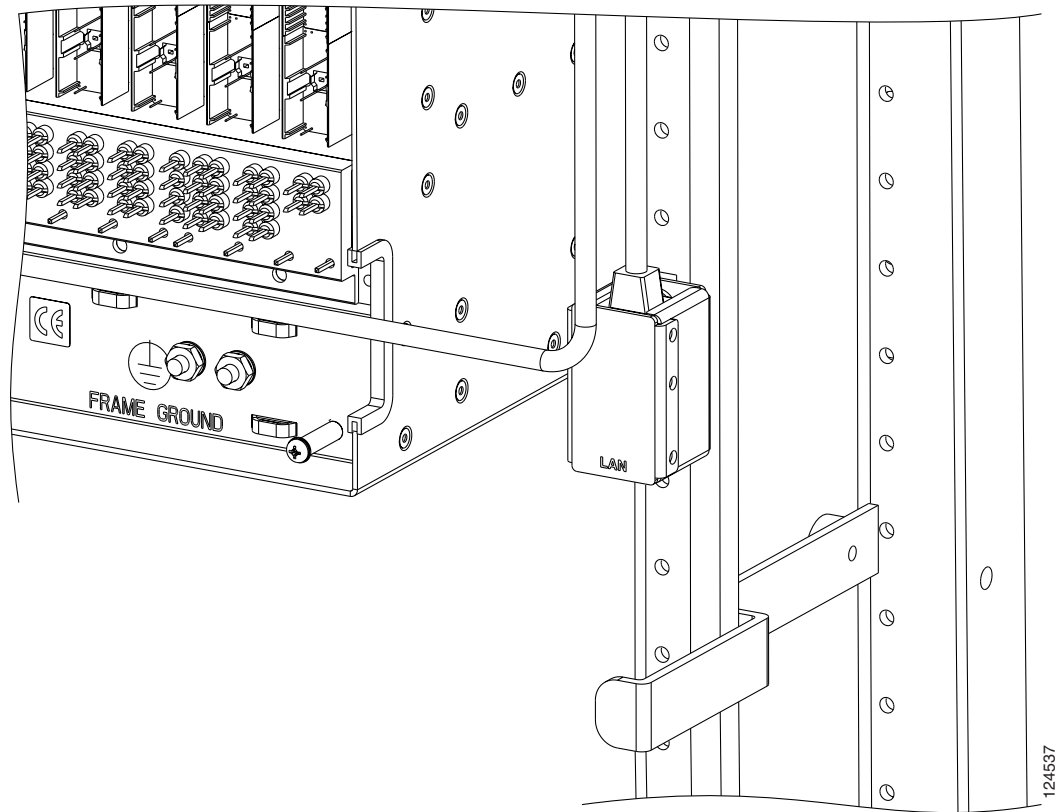


Figure 4 *RJ-45 Kit Installed on a 23-Inch Rack*



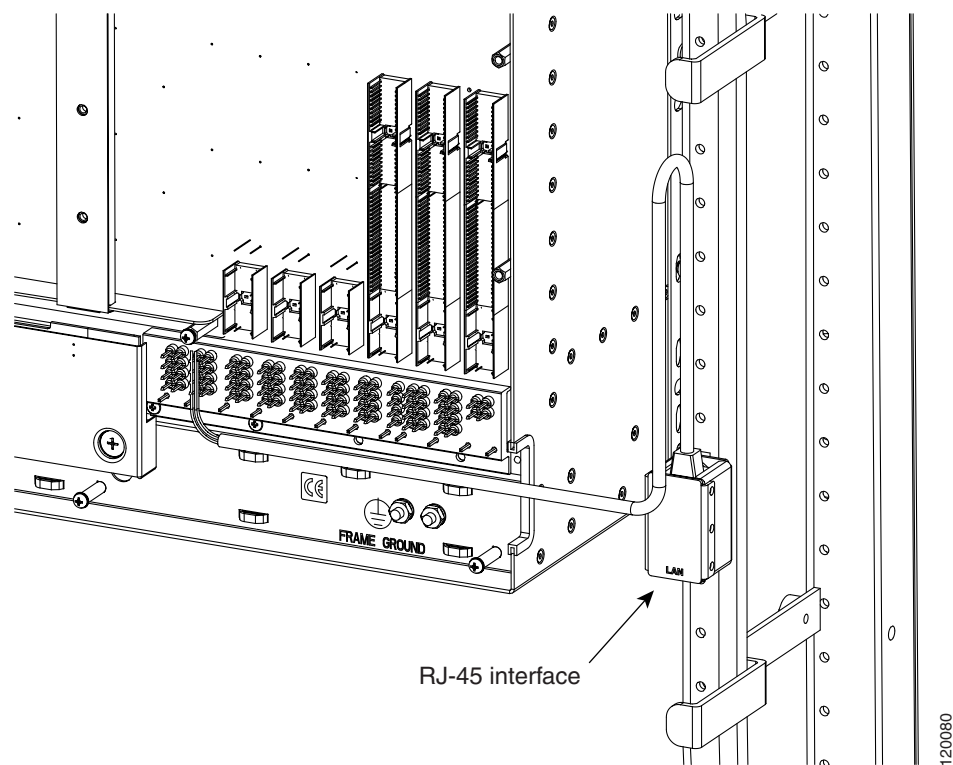
- Step 6** On the unterminated free end of the RJ-45 cable assembly, observe the four RJ-45 wires. Wire wrap these wires to the wire-wrap panel in the following order:

Table 1 *RJ-45 Pin Installation*

RJ-45 Pin	RJ-45 Pin Color	Wire-Wrap Panel LAN Pin
1	White/orange	B2
2	Orange	A2
3	White/green	B1
6	Green	A1

- Step 7** Route the RJ-45 connector and cable across the base of the shelf to the bracket securing the cable assembly, according to site specifications.
- Step 8** With the RJ-45 connector facing down, insert it into the bracket, making sure the RJ-45 connector latch is facing away from the rack.
- Step 9** Snap the cover labeled “LAN” over the bracket, so that the cover snaps over the dimples ([Figure 5](#)).

Figure 5 **Installing the RJ-45 Bracket Cover**



Related Documentation

- *Cisco ONS 15454 Procedure Guide*
- *Cisco ONS 15454 Reference Manual*
- *Cisco ONS 15454 Troubleshooting Guide*

Obtaining Documentation and Submitting a Service Request

For information on obtaining documentation, submitting a service request, and gathering additional information, see the monthly *What's New in Cisco Product Documentation*, which also lists all new and revised Cisco technical documentation, at:

<http://www.cisco.com/en/US/docs/general/whatsnew/whatsnew.html>

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