KVM Conversion Option
Quick Installation Guide

Lenovo™

About the KVM Conversion Option (KCO) cable

The KCO cable (1.5 meters) is one part of the Advanced Connectivity Technology system, designed to reduce cable bulk.

The KCO cable converts keyboard, monitor, and mouse signals from a server through a single Cat5 cable, up to 10 meters (32.8 feet), to a switch.

The KCO cable draws its power from the server and has Keep Alive functionality, preventing server lock-up even if the switch is not powered up or the connection is interrupted.

❶ Turning off the servers

Turn off the servers that you want to connect to the switch through a KCO cable.

❷ Connecting a KCO cable to the switch

Connect one end of a Cat5 cable into an ARI port on the rear of the switch. Connect the other end into a RJ-45 connector on the KCO cable.
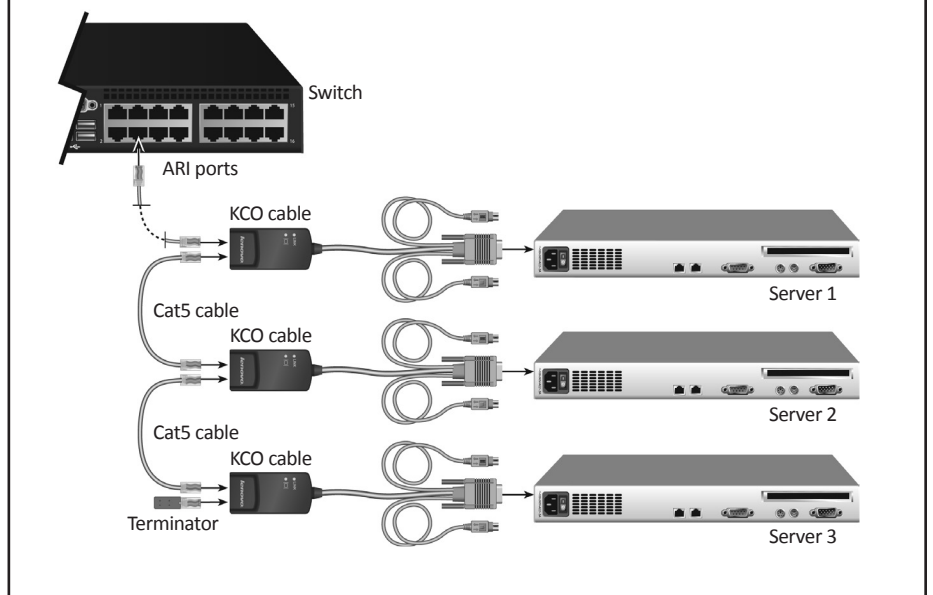
❸ Connecting KCO cables to servers (single or chained)

Connect the monitor, keyboard, and mouse connectors on the KCO cable into the corresponding ports on the rear of a server.

You can chain up to 16 servers on each ARI port by connecting a KCO cable to each server and then connecting Cat5 cables between the KCO cables.

Repeat steps 1 through 3 for all servers that are to be connected to the switch. Attach a terminator to the second RJ-45 connector on a single KCO cable or on the last KCO cable in a chain.

KCO Cable Configuration

❹ Turning on the switching system

The KCO cable is powered by the server. For best results, turn on the servers first, and then turn on the switch.

For more information

For more information, see the *Installation and User's Guide* that comes with the switch. See http://www.ibm.com/support/ for the latest software and firmware updates.

1

KVM Conversion Option (Earlier-Model Switch Connection)
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Troubleshooting Tip

Make sure that servers are turned on before operating the switch. If a server is unavailable through the user interface, verify the cable connections or test another KCO cable.

❶ Turning off the earlier-model switch and any connected servers

Turn off the earlier-model switch that you want to connect to the newer switch through the KCO cable and turn off any connected servers.
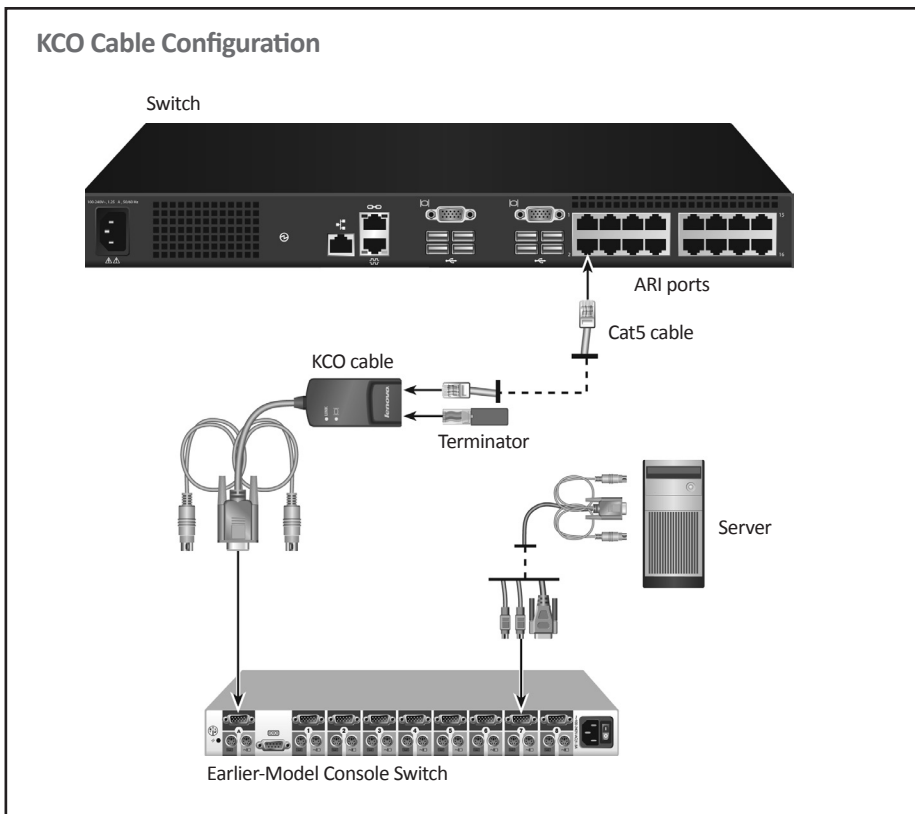
❷ Connecting a KCO cable to the switch

Connect one end of a Cat5 cable into an ARI port on the rear of the switch. Connect the other end into the RJ-45 connector on the KCO cable.

❸ Connecting KCO cables to an earlier-model switch

Connect the monitor, keyboard, and mouse connectors on the KCO cable into the corresponding ports on the rear of an earlier-model switch. Attach a terminator to the second RJ-45 connector on the KCO cable. Repeat steps 1 through 3 for all switches that are to be connected to the switch.

❹ Turning on the switching system

The KCO cable is powered by the server. For best results, turn on the servers first, then the earlier-model switch, and then turn on the primary switch.

KCO Cable Configuration

Switch

ARI ports

Cat5 cable

KCO cable

Terminator

Server

Earlier-Model Console Switch

For more information

For more information, see the *Installation and User's Guide* that comes with the switch. See http://www.ibm.com/support/ for the latest software and firmware updates.

Safety, EMC and Environmental Approvals and Markings

For use with Listed Information Technology Equipment (I.T.E.).

Korean Notification

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