

How far is the KVM switch from the server



Article Overview

The distance between a KVM switch and a server depends on the type of KVM connection, ranging from 10 meters for standard consoles to over 150 meters with KVM extenders or IP-based solutions.

Standard KVM Connections

For traditional KVM switches using PS/2 or USB connections, the maximum reliable distance is typically 16–33 feet (5–10 meters) due to signal degradation over longer cables. This is suitable for small server racks or desktop setups where the KVM switch is physically close to the servers.

KVM over CAT6

When using CAT5 or CAT6 cabling, distances can be extended significantly. For example, a high-density KVM switch over CAT6 can reliably connect to servers up to 50 meters (about 164 feet) at 1920×1080 resolution. Some KVM extenders can push this even further, up to 150 meters (492 feet) using CATx cables, or even farther with fiber or IP-based connections.

KVM over IP

KVM over IP allows remote access over a network, effectively removing physical distance limitations. The KVM device connects to the server locally, and the keyboa...

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How to Connect a KVM Switch to the Server | AZE

A KVM switch is frequently used to manage file servers, domain servers, print servers and blade servers. Local KVMs

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KVM Switch Buying Guide | Eaton

KVM switches are the ideal solution for controlling multiple PCs and servers from a single keyboard, video

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Understanding KVM Switches

KVM matrix switches are often used alongside KVM extenders to connect machines and users over varying distances,

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Correct location in rack of UPS/Servers/KVM : r/cableadvice

Correct location in rack of UPS/Servers/KVM Hello, I'm working on fixing up a 48u rack that includes 2 switches, a 2u KVM, 4 1 u/2u

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Understanding KVM Switches

KVM switches are used in various settings, such as offices, medical imaging, broadcasting, post-production, and

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Advice on a pull out KVM/Console for a data center server rack

I should mostly be able to use iDRAC/iLO type remote management, but I hope to install a 1U pull out style KVM with

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KVM switch

A KVM switch (with KVM being an abbreviation for "keyboard, video, and mouse") is a hardware device

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How to Connect a KVM Switch to the Server

Some customers who buy the KVM switch have no idea how to connect the equipment with the right wires. Today, we

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What is a KVM switch? | ATEN Corporate Headquarters

KVM 101 KVM stands for “Keyboard, Video (monitor), Mouse.” The main function of a KVM switch is to control, switch

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A Beginner's Guide to KVM Switch | Simplify Your Setup

Learn how to choose the right KVM switch for your monitor setup. Here is the complete guide for KVM, its types &

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Complete Guide To KVM Switching & Extension

KVM over IP extenders are preferred for applications where connectivity needs to be established across vast distances, where

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Everything You Should Know Before Buying a KVM Switch

How can 20 servers be controlled simultaneously with “one-click” if there are 20 servers in the room? In actual

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Guide to KVM in control rooms

While traditional KVM switches serve desktop applications well, they face a fundamental limitation: physical proximity. All connected

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What is the maximum distance between the Rack LCD (AP5717G)

The maximum distance between the Rack LCD Console and the target device (a KVM switch or server) is 32.8 feet (10m).

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What Are KVM Switches and When Should You Use One?

With different types of KVM switches available in the market, you should be using a KVM switch if you are operating in

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The Complete Guide to KVM over IP | TinyPilot

The authoritative guide to KVM over IP — how it works, how to secure it, and how to choose a reliable device for BIOS-level remote

Oct 04, 2025

Best KVM Switches for 2026 (Dual Monitor, Multi-PC)

Why KVM Switches Are Needed KVM switches let you control multiple computers with one keyboard, mouse, and

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KVM Solutions

High performance KVM-over-IP switches for data centers, labs and server rooms. A single switch can connect to 8, 16, 32, or 64

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KVM Switch vs Console Server

KVM switches allow multiple computers and servers to be controlled from a single keyboard, mouse and monitor. In fact, the name

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KVM Switch Buying Guide

KVM switch buying guide Discover how KVM switches let users control multiple PCs or servers from one keyboard, monitor and

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KVM over IP: 7 Facts You Need to Know for Server Room Setup

In this article, we will explore what KVM over IP is, how it works, its benefits, selection guide, etc. Get this ultimate

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Server spacing and location in Server rack

Mount your switches at eye level for best access, servers below and UPS on the bottom. I'm guessing it's enclosed,

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What is a KVM Switch?

Combined with KVM extenders, KVM switches provide access to multiple remote servers/ PCs from a single peripheral interface

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Why You Need a KVM Switch and How to Use It?

How to use a KVM switch? Whether you are a newbie or an experienced user with a KVM switch, you may find this

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Everything You Should Know Before Buying a KVM Switch

Both dual monitor and multi-monitor KVM switches enable extended desktops across two or more monitors in

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How to Choose the Right KVM Switch for Your Small Server Room

If you have a small server room with anywhere from a handful up to 20 servers, chances are you need a KVM switch

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KVM Switch Selection Guide

The table here summarizes the types of KVM switches, from enterprise wide IP access to the extension of a single computer. Look at

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KVM switch

KVM switches are called KVM sharing devices because two or more computers can share a single set of KVM peripherals. Computer

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Understanding KVM Switch Connection Diagrams: A Complete Guide

A KVM switch connection diagram illustrates how this hardware device connects multiple computers or servers to a single console.

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How to Choose the Right KVM Extender for Remote Server Access

A KVM switch allows one console to control multiple computers in the same location. A KVM extender increases the

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The 5 Best KVM Switches for IT Managers: A Buyer's Guide

Discover the best KVM switches for IT managers based on key features, performance, pricing, and user reviews. Read

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