

CHILLISKY USB Server

Access USB Devices Anywhere, Anytime

You can conveniently establish remote connections to USB devices over LAN, VPN, virtual machines, cloud servers, or even from remote locations.



The ChilliSky USB server employs a plug-and-play design, enabling any USB peripheral device to be connected to it. It facilitates USB data transmission via Ethernet, allowing you to access USB devices from any location on the network, just as if they were directly plugged into your computer.

The ChilliSky USB server is an ideal solution for scenarios demanding remote sharing, access, or management of USB devices, including enterprises, laboratories, data centers, industrial automation settings, and virtualization environments.

Core Features

1. Network Connection:

The USB device can be remotely connected via USB Over Network technology, enabling cross-network and cross-regional connections.

2. Centralized Management:

The USB devices can be centrally managed with controlled access permissions and real-time status monitoring.

3. Multi-user Sharing:

The USB devices can be allocated for multiple users to use simultaneously, with shared usage at different times.

4. Secure Connection:

USB data is transmitted via SSL/TLS 1.2 encryption, and the identity of the connector is verified through permissions, IP addresses, MAC addresses, account passwords, and other means to ensure a secure connection.



Application Scenarios

- Secure Authentication & Dedicated Devices

Safely connect USB tokens, smart cards, and other authentication hardware with strict access control. Prevent unauthorized use with advanced security features.

- Virtualization & Cloud Desktop USB Passthrough

Seamlessly integrate USB devices into VMware, Hyper-V, or cloud servers. Enable smooth USB passthrough for virtual desktops and cloud-based workflows.

- Remote IT Maintenance

Empower IT teams with remote USB access to manage and troubleshoot USB devices from anywhere. Save time and costs by eliminating the need for on-site device handling.

- Industrial & Laboratory Device Remote Access

Connect specialized instruments, test equipment, or lab devices to remote computers via USB over IP or USB over Ethernet. Improve efficiency and reduce downtime with centralized device usage.

- USB Dongle Sharing

Easily share hardware license dongles across your team or departments without physically moving them. Ensure secure and reliable access to dongle-protected software anytime, anywhere.

- Cross-Region Collaboration

Enable global teams to share USB devices across regions through gigabit Ethernet USB device servers. Break geographical barriers and enhance collaboration, ensuring consistent data transfer and resource access for all remote clients.

Product Comparison

Feature	USB Server (Hardware + Software)	USB over Network (Software Only)
Deployment	Integrated hardware + software, true plug & play	Software installation only, depends on local PC/server
Stability	Runs on dedicated hardware, 24/7 reliable operation	Dependent on host PC/OS, prone to crashes or disconnections
Security	Account/password login, IP/MAC binding, centralized access control with logs	Relies on software permissions, lacks hardware-level protection
Management	Centralized monitoring, admin can assign permissions and track usage in real time	Decentralized, limited or no centralized management
Cluster Management	Supports centralized management of dozens to hundreds of USB devices	Limited to the number of USB ports on the host machine
Data Analytics	Provides detailed, visual usage reports and statistics	No reporting or usage tracking available
Maintenance Cost	Independent hardware, simple operation, minimal system dependency	Occupies host resources, frequent updates and compatibility issues
Use Cases	Enterprise, research, and industrial scenarios requiring high stability & security	Small-scale personal use or low-security scenarios

USB Server Hardware Parameters

Project	2 Port	8 Port	24 Port	48 Port
Configuration	4G RAM, 32GB flash	4G RAM,32GB flash	4G RAM, 32GB flash	4G RAM, 32GB flash
USB Type	USB 3.0 Type A	USB 3.0 Type A	USB 2.0 Type A	USB 2.0 Type A
Power Input	5V, 6A max	12V, 15A max	12V, 6A max	12V, 6A max
Power Consumption	30 watts max	180 watts max	Dual 72 watts max	Dual 72 watts max
Relative Humidity	5% to 95%	5% to 95%	5% to 95%	5% to 95%
Operating Temperature	0°C to 50°C	0°C to 50°C	0°C to 50°C	0°C to 50°C
Ethernet	RJ-45; 10/100/1000 Mbps	RJ-45; 10/100/1000 Mbps	Dual RJ-45; 10/100/1000 Mbps	RJ-45; 10/100/1000 Mbps
Size	13.5×15× 4cm	13.5×25×4cm	43cm×30cm×4.5cm	43cm×30cm×9cm
Weight	1.2kg	1.6kg	2.7kg	3.9kg
Housing Material	Galvanized sheet material, with excellent seismic resistance, heat dissipation properties and anti-electromagnetic interference capabilities.			
Stability	Supports short circuit, overload and overvoltage protection, 24/7 stable operation			

Connection compatibility

Category	Support Scope
Operating System	Windows 10/11, Windows Server 2016/2019/2022, Major Linux distributions
Cloud Platform	AWS EC2,DigitalOcean / Vultr VPS,DigitalOcean / Vultr VPS, etc.
Virtualization Environment	VMWare, Hyper-V, Citrix, etc. support virtual machine migration.
Network Environment	Normal network environment, local area network, VPN, etc. - enterprise internal or remote collaboration network environment
USB Device	Online banking USB token, encryption dongle, CA certificate, USB drive, printer, etc.