

UKM-101

Pure Hardware-Based Remote Computer Controller

A single USB cable allows you to operate any machinery and equipment computers from your own PC.

Connect any device for seamless,
distance-free professional operation

No software required · Simple · Reliable · Secure

Controlling
Computer
(Your PC)

macOS / Windows /
Linux supported

USB
(Video + Control)

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Compact size · High reliability
Industrial-grade protection design

HDMI
(Video)

USB
(Keyboard &
Mouse)

Controlled
Computer

No software
required



Controlled Computer No Software Required

Ideal for security-restricted environments,
closed networks, and equipment
incapable of remote software deployment.



Smooth Real-Time Display

Operates Like a Local Machine
Low latency, stable,
and highly reliable.



Hardware-Based Solution

Secure & Risk-Free
Leaves existing systems
untouched
with zero software footprint.



Compact & Easy to Install

Connect with a single USB
to get started.

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Centralized Management for Multiple PCs

One system, easily control multiple computers

Through the control room management PC, operate multiple computers without installing any software. Ideal for security-regulated environments, closed networks, and various professional applications.

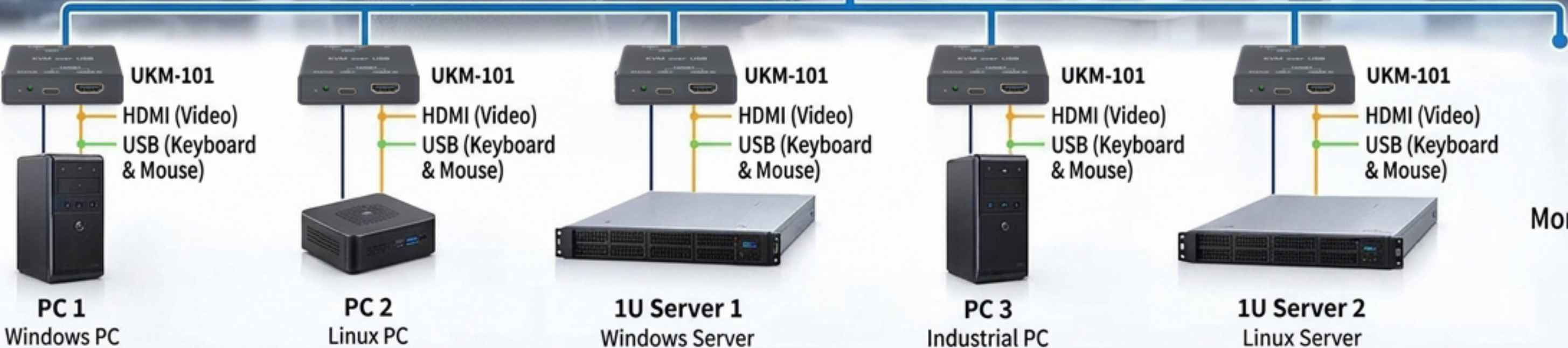
Control Room Management
PC with Remote Desktop

Remote Engineer

Access the management PC with remote desktop via network connection

Internet

At the office · At home · Anywhere.
Secure connection, support anytime.



Controlled Computer
No Software Required



Suitable for Security
Control
& Closed Networks



Smooth Real-Time Display
Operates Like a
Local Machine



Save Equipment Costs
& Network Bandwidth



Flexible Expansion
Supports Multiple
Devices

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FAB Equipment Maintenance

A single USB cable allows you to operate any machinery and equipment computers from your own PC.

Pure hardware-based solution allows you to instantly view and operate another computer via USB, just like using a remote desktop. No software required on the controlled computer, ideal for security-restricted environments, closed networks, and equipment where remote software cannot be deployed.

HARDWARE
BUILDS
POSSIBILITIES

Engineer Laptop
(USB Type-C connection)

A Single USB
(Video + Control)

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(Compact hardware device)

HDMI (Video)
connected to the back
of the equipment

USB (Keyboard & Mouse)
connected to the back
of the equipment

Large Equipment
(e.g., DISCO Wafer Dicing System)
connected to the back of
the equipment
(HDMI + USB)



Controlled Computer
No Software Required



Suitable for Security Control
& Closed Networks



Smooth Real-Time Display
& Operates Like a Local Machine



Save Equipment Costs
& Network Bandwidth



Flexible Expansion
& Supports Multiple Devices

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REAL-WORLD APPLICATION CASE MEDICAL ROBOTS

Through existing remote connection capabilities, access the internal computer of the robot, to further control computers where remote software cannot be installed.

Medical | Industrial | Research | High-Security Environments

PURE HARDWARE REMOTE OPERATION SOLUTION

View and operate another computer in real-time via USB, just like using a remote desktop. No software is required on the controlled end, making it ideal for security-regulated environments, closed networks, and equipment where remote software cannot be deployed.

- ✓ No software installation required
- ✓ Suitable for security-controlled environments
- ✓ Smooth real-time display, operates like a local machine
- ✓ Saves equipment costs and network bandwidth
- ✓ Supports multiple devices

Remote Engineer

Connect the PC1 inside the Robot via the network.

Ukrnu Daaktop
[PC 1]

Asinnnd Bzazhlop
[PC 2]

USB Type-C
(Video + Control)
Connects PC1

PC 1
Remote Connection

Placed between two computers
Doesn't occupy space

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Compact Hardware

MDMI + USB
(Video + Keyboard/Mouse)
Connect to PC2

PC 2
Remote App. Not Allowed

NETWORK / VPN

Remote Connection
(e.g., Remote Desktop)



Medical Equipment

High security • No software installation allowed



Industrial Equipment

Closed networks • Stable and reliable



Research Institutions

Special systems • Easy maintenance



Centralized Management of Multiple Devices

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純硬體式電腦遠端操作裝置

一條 USB，可以在自己的電腦上操作機台設備之電腦。

連接任何裝置，讓專業操作無距離

不需安裝任何軟體 · 簡單 · 可靠 · 安全



被控電腦

不需要安裝任何軟體

適用於資安管制、封閉網路
及無法部署遠端軟體的設備環境



即時畫面流暢
操作如同本地

低延遲，穩定可靠



硬體式方案
安全無風險

不改變既有系統
不留下軟體痕跡



小體積 · 易安裝

一條 USB 連接
即可開始使用

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多台PC設備集中管理

一套設備，輕鬆掌控多台電腦

透過中控室管理PC，
即可操作多台不需要安裝任何軟體的電腦，
適用於資安管制、封閉網路及各種
專業應用環境。

中控室具遠端桌面的
管理PC

遠端工程師

透過網路連線至具遠端桌面的
管理PC

Internet

在辦公室・在家・在任何地點
安全連線，隨時支援



被控電腦
不需要安裝任何軟體



適用資安管制
與封閉網路環境



即時畫面流暢
操作如同本地



節省設備成本
與網路頻寬



彈性擴充
支援多台設備

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FAB 設備維修應用

一條 USB，可以在自己的電腦上操作機台設備之電腦。

純硬體式操作方案，透過 USB 即可即時查看並操作另一台電腦，如同使用遠端桌面。

被控電腦不需要安裝任何軟體，適用於資安管制、封閉網路及無法部署遠端軟體的設備環境。

HARDWARE
BUILDS
POSSIBILITIES



工程師筆電
(USB Type-C 連接)

一條 USB
(影像 + 控制)

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(小型硬體裝置)

大型設備
(例如 DISCO 晶圓切割機)
接線至設備後方
(HDMI + USB)

HDMI (影像)
接至設備後方

USB (鍵盤滑鼠)
接至設備後方



被控電腦
不需要安裝任何軟體



適用資安管制
與封閉網路環境



即時畫面流暢
操作如同本地



節省設備成本
與網路頻寬



彈性擴充
支援多台設備

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真實應用案例 醫療機器人

透過既有的遠端連線能力，
存取機器人內部的電腦，
進一步控制無法安裝遠端軟體的電腦。

醫療 | 工業 | 研究 | 高資安環境

遠端工程師

透過網路連線至機器人內的 PC1

網路 / VPN

遠端連線
(如 Remote Desktop)

Ubuntu 桌面
(PC1)

Android 桌面
(PC2)

USB Type-C
(影像 + 控制)
接至 PC1

PC 1
(可遠端連線)

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(小型硬體裝置)

放置於兩台電腦之間
體積小、不佔空間

HDMI + USB
(影像 + 鍵盤滑鼠)
接至 PC2

PC 2
(無法安裝遠端軟體)

純硬體式遠端操作方案

透過 USB 即可即時查看並操作
另一台電腦，如同使用遠端桌面。
被控制不需要安裝任何軟體，
適用於資安管制、封閉網路及
無法部署遠端軟體的設備環境。

- ✓ 不需要安裝任何軟體
- ✓ 適用資安管制環境
- ✓ 即時畫面流暢
操作如同本地
- ✓ 節省設備成本
與網路頻寬
- ✓ 支援多台設備



醫療設備

高資安・不允許安裝軟體



工業設備

封閉網路・穩定可靠



研究機構

特殊系統・維護便利



多台設備集中管理

彈性擴充・降低成本

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