



CAMAY DESKTOP · A WINDOWS 11 DESKTOP FOR EVERY EMPLOYEE

Two palm-sized mini PCs from 2018 run a full virtual desktop for a **whole team**

Full Windows 11, nothing cut down. So how does Camay do it?



What staff use: old PCs, thin-client boxes

Log in to their own desktop from existing devices



Office LAN

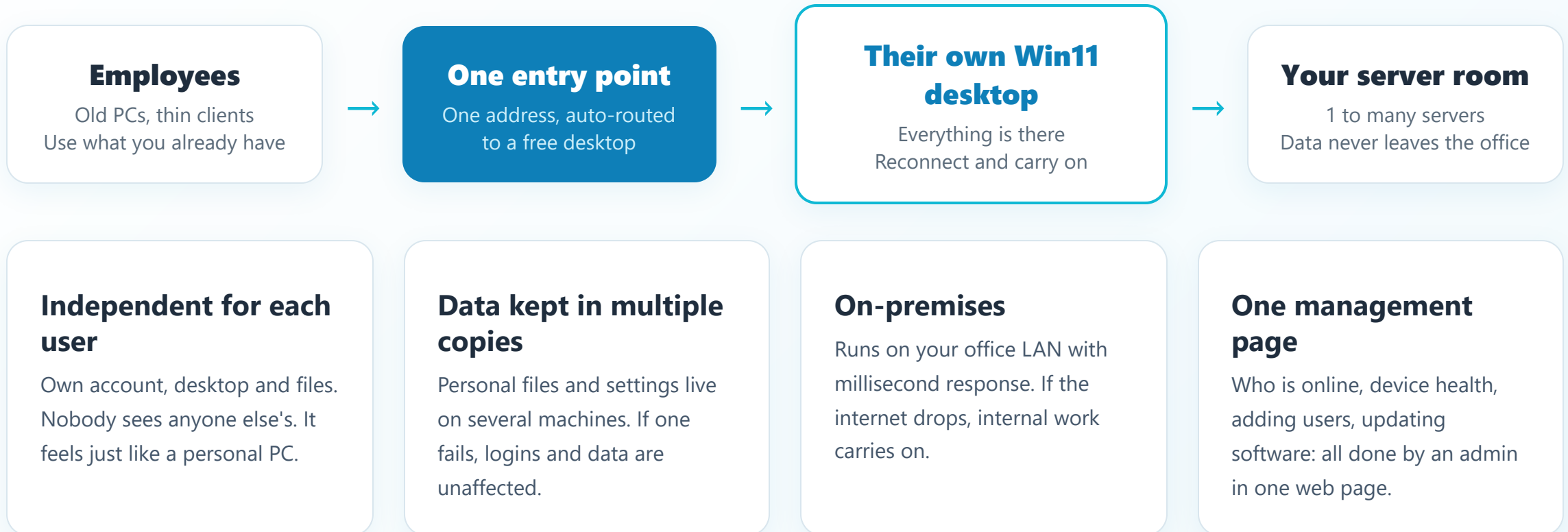
The servers · just these two



Released 2018 · 2 cores / 4 threads · 16GB RAM — supports 3–8 people at once

Turn “one PC per person” into “one Win11 desktop per person”

Hosted in your own server room. Whatever device people use and wherever they sign in, they see the same familiar desktop with every file in place.



Six benefits, at a glance

Save

Starts on low-spec mini PCs

Two entry-level mini PCs from 2018 carry a team of 3–8 people. Need more? Add them later instead of buying everything up front.

Resilient

One fails, work carries on

Accounts, files and desktops are kept on different machines. Switch one off or cut its power and staff barely notice (verified in trial).

Fast

In your office, so it responds fast

Working over your own network gives millisecond response, just like a personal PC. If the internet drops, internal work continues.

Secure

Your data stays with you

All data sits on your own equipment, fully encrypted. When someone leaves, disable the account in one click and the files stay in the company.

Free

Any place, any device

Old PCs, thin clients and phones can all sign in. People open the same familiar desktop with every file in place, and a new device needs no setup.

Easy

Operations handled by Camay

After installation, Camay handles updates, monitoring and support, remotely first and on site when needed. An NDA can be signed, and you do not have to worry about technical details.

Two unremarkable mini PCs. How do they carry a team?



The actual servers (not staff terminals), palm-sized: 117 × 112 × 36 mm

EVERYTHING THEY HAVE

2-core / 4-thread i5

16GB RAM

1 SSD

Released 2018

No server-class CPU, no big memory, no discrete GPU, and already 8 years old.

YET TOGETHER THEY RUN, FOR 3-8 PEOPLE WORKING AT ONCE

- ① **Account service: staff sign-in**
- ② **File service: personal files and settings that follow the person**
- ③ **Multi-user Win11 desktops: everyone on their own**

The two back each other up. Lose one and work carries on.

Note: this is our demo and pilot setup, built to show how little Camay Desktop needs. Real projects are sized to your organization (see later pages).

Office computing: a headache for owners and IT alike

Pain point	What it feels like	How Camay Desktop solves it
Sizing is always a loss	Spec high and it idles most of the day; spec low and it lags at the worst moment	Use what you need: more when busy, reclaimed when idle
One failure stops work	When a PC or server breaks, that person just waits	Multi-machine, multi-copy (data stored on several machines): switch off any one and work goes on
Maintenance is scattered	Installing, patching and scanning, one machine at a time	Golden image (one standard desktop template): install once, sync to all, roll back in one step
Scattered data, hard handover	Files sit on personal PCs; loss, theft and departures are all worries	Data stays in your server room , fully encrypted, one-click account disable
Solutions too heavy and costly	Traditional VDI needs racks of servers plus licences; public cloud bills monthly and holds your data	Start on a mini PC , run on-premises, add more when needed

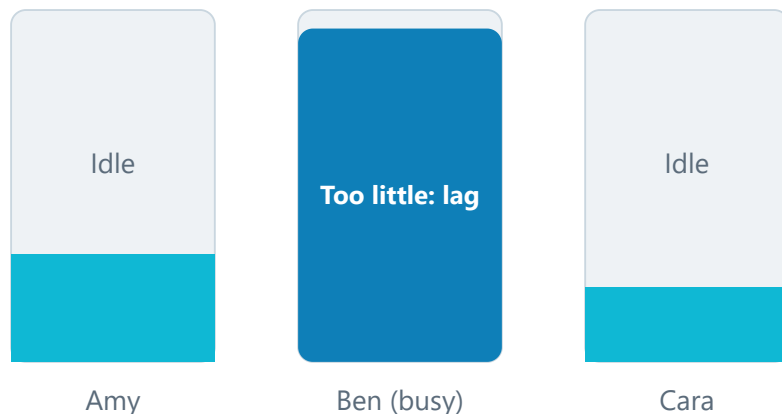
Camay Desktop puts every bit of resource to work

	The usual way	Camay Desktop
Core services	A full Windows Server VM per role, each taking several GB of RAM	Lightweight isolated spaces (lighter than virtual machines): start in seconds, tiny footprint
Employee desktops	A full virtual PC per person: more people, more cost	Many users share one Win11 , each with a private desktop, sharing OS overhead
Base system	A general-purpose server OS carrying many unused components	Camay OS keeps only what's needed: it uses little and leaves the rest to staff
Resource allocation	Reserved for each person's busiest moment, idle most of the time	Pooled scheduling : busy and idle times interleave, busy users get more
Personal data	Relies on large shared storage or a dedicated storage server	Settings and files follow the person (profile roaming): loaded on demand at login, kept in multiple copies

The result: what others need a rack of servers for, Camay Desktop does on a low-spec mini PC.

Give what's used. Take back what's not

The usual way: a fixed reservation per person



Others' idle capacity can't help

Camay Desktop: everyone shares one pool



Busy? Get more.
Idle? Give it back.

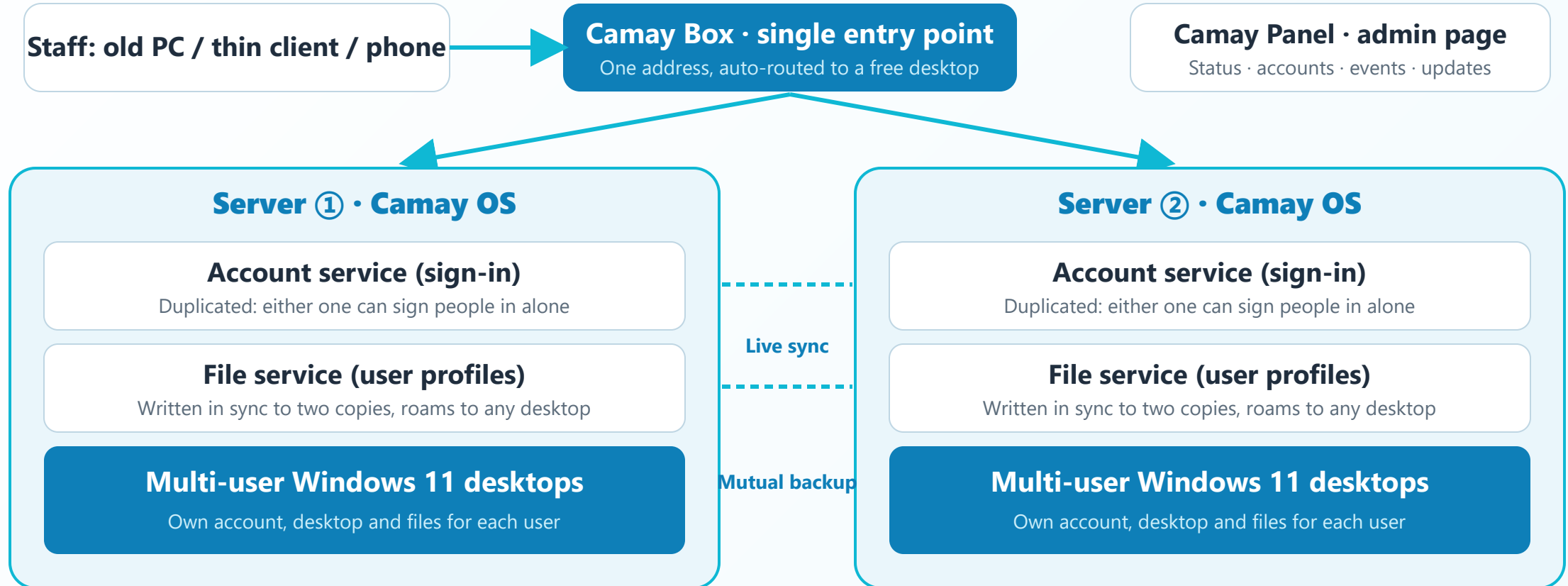
Sized to the team's
combined usage

One resource pool

Same hardware, more people served

The idea is simple: nobody uses a full PC for more than a small part of the day, and people's busy moments don't line up. Pool the resources and let them flow where needed, and there's no need to reserve a "busiest-moment budget" for everyone. That's how a mini PC can carry a team. (Illustration)

Each box does three jobs. The two back each other up



The demo is just the start. Real projects are sized to you

What can be tailored	Your options
Number of servers	Single-server pilot → two-server production (lose one, keep working) → add more servers one at a time
User file copies	Keep 1–4 copies of personal data, set by how important the data is; two servers give 2 copies by default
Server hardware	CPU, RAM and SSD chosen for concurrent users and software load, from mini PCs to rack servers
Session hosts (the machines that run staff desktops)	The number of standard shared desktops, plus dedicated session hosts (discrete GPU, attached instruments, users who install their own software); existing office PCs can join as session hosts
Account service	Duplicated from the start; add more copies as needed so sign-in never depends on one device
Storage and protection	Fast SSD paired with large-capacity hard disks lowers cost while adding "Time Machine" (recover earlier versions of deleted files), an optional configuration; off-site sync on request
Employee devices	Keep existing PCs, or use thin-client boxes; current monitors, keyboards and mice keep working

We first learn your **headcount, software and network**, then give you a configuration list and itemized quote.

No fixed user limit. Add capacity whenever you need



Add session hosts

More people? Add more session hosts, cloned from the golden image, usually with no downtime.



Add storage

More data? Expand SSD or bulk disks. Copies are adjustable from 1 to 4; two servers default to 2.



Upgrade servers

Short on CPU or RAM?
Upgrade only the machines in the server room; staff devices stay as they are.



Ordinary PCs can join

PCs already in the office can be added to the system and used as session hosts.

Assign specific users to specific machines: special needs fit in the same system

PC with a discrete GPU

Design and video users who need graphics power always log in here

PC wired to instruments

Users who need lab gear or special peripherals always log in here

Power users' own machine

Those who install software constantly get a machine to themselves, affecting no one

They still enjoy **unified accounts, settings and files that follow them, and central management**, with full flexibility kept.

High-end PCs that **stop gathering dust**

The usual approach: a high-end workstation for every designer, plus a laptop for travel and home, and a dedicated machine even for someone who only comes in once every month or two. 20 designers at 1.5 computers each (workstation plus laptop) is about 30 machines, mostly idle, yet nobody dares go without.

Shared

A few powerful hosts, used in turn

Several hosts with professional GPUs form a shared pool, and designers sign in to whichever is least busy. The pool is sized by how many render heavily at once, not by headcount, and they stagger heavy rendering among themselves.

Flexible

No machine reserved for occasional users

People who rarely come in just sign in from their own computer or any device. The desktop, software and project files are all there, and when they log off no high-end PC sits idle.

At ease

Change device or place, keep working

In the office, a meeting room or elsewhere, people open the same desktop, and project files stay on the company's own equipment instead of being copied around.

Note: solutions for design teams are scoped per project and confirmed by testing, taking into account the software used, how it is licensed (whether it can be shared across machines), project file sizes and network conditions. Software licensing is the user's responsibility.

Everything you need, and easy to manage

01

Settings and files follow you

Desktop settings, documents and browser bookmarks follow the person. Switch devices or hosts and it looks the same.

02

Golden image: install once, sync to all

Install and test software once, then roll it out host by host with no downtime. If a version misbehaves, roll back in one step.

03

One-click factory reset

If a desktop is broken, messed up or infected, regenerate it from the golden image. Personal settings and files are untouched.

04

Two kinds of desktop

Most people use shared standard desktops; power users get a dedicated session host where they can install anything.

05

Unified management page

Who's online, event log, users, device list and usage rules, all in a single web page.

06

Security isolation

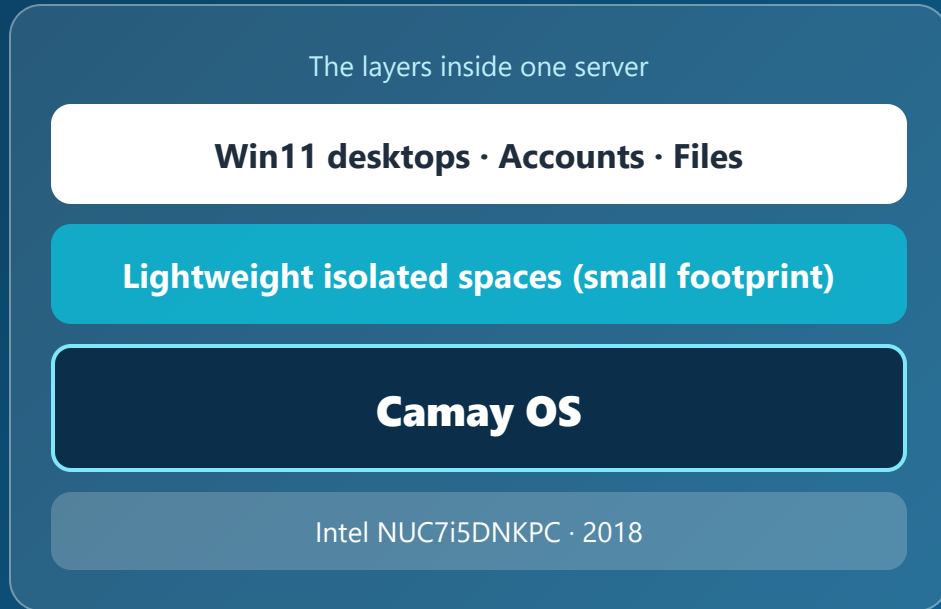
Users' files are isolated from each other. When someone leaves, disable the account in one click; sessions end at once, data stays.

Switch off any one machine. Work doesn't stop

What goes wrong	What employees experience	Status
One file service goes down	Sign-in works as normal; personal data comes from the other copy and catches up automatically after repair	Verified in trial
One account service goes down	Sign-in works as normal, even for people who never signed in on that machine; the system switches to the other	Verified in trial
Many users on the same session host	No interference; users cannot see each other's files	Verified in trial
One whole machine is shut down or loses power	Work continues unaffected: accounts, files and desktops are served by the other machine	Verified in trial
Software broken or tampered with	The desktop is regenerated from the golden image, like a factory reset; personal settings and files are untouched	Verified in trial

Note: the drills above were run in the Camay trial environment. A UPS is recommended so power loss leads to an orderly shutdown.

The whole system, built into Camay OS



Camay Network Technology (Shenzhen) Co., Ltd. has deeply customized an open-source foundation into a dedicated system, Camay OS. Desktops, accounts, files, entry point and management are packaged on top of it, and delivered, upgraded and maintained as one whole:

- **Full-disk encryption:** disks are bound to the machine's security chip; pull the drive and nothing can be read
- **Trusted boot:** only signed code runs; a tampered system won't start
- **Unified updates:** updates come only from Camay's own channel, host by host with no downtime
- **Protected management:** admin actions need authorized certificates and encrypted links, with audit trails
- **Small footprint:** core services run in lightweight isolated spaces, which is why small boxes cope

One page. Everything for work is inside



The single entry point and office toolkit of Camay Desktop (LAN demo edition; interface shown in Chinese):

- **Camay Terminal:** remote desktop, straight back to your own Win11
- **Meetings / file transfer / file sharing:** ready on the LAN, no setup
- **Translation / PDF translation / diagrams:** handy everyday tools
- **HR / admin / ERP:** staff, meeting rooms and vehicles in one place
- **VPN and secure connect:** reach the company network from anywhere

Your office network, handled by the Camay Box too



The Camay Box is Camay's office gateway, and also the single entry point of the desktop solution.

- **Four 2.5G ports** (ETH0–ETH3) in an all-metal heat-dissipating case: quiet and dependable
- **Branch-to-HQ networking**: connect branch offices to headquarters over encrypted tunnels as one internal network
- **VPN back to HQ**: staff on the road or at home reach the company network over WireGuard or the built-in phone and PC VPN (IKEv2)
- **Camay Panel**: one page for network and line status
- **Desktop entry**: staff use one address and land on their own desktop

Start with one small team. **Four steps to go live**

1

Assess

Learn your headcount, software, network and existing devices; deliver a plan and itemized quote

2

Pilot

Start with one machine and a few users for real use, measuring how many each machine carries

3

Go live

Add the second machine so losing one doesn't stop work, then migrate more staff

4

Operations

Camay handles day-to-day operations, updates and support, remotely first and on site when needed

Who it's for

From a handful of people to large enterprises, schools, shops and branch offices, with no fixed user limit. Mainly office software, wanting lower PC purchase and upkeep costs and data kept on-site.

Worth knowing up front

How many users run at once depends on hardware and usage habits; the pilot measures it, and you add more if needed. Heavy 3D or video editing is best on a dedicated session host or a standalone PC.

Two small boxes, a complete desktop, and no downtime if one fails.



CONTACT US

Want to see it for yourself? Book a demo

Pull the plug on one server and watch work carry on.

Or tell us your headcount, software and network, and we'll size it for you.

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(Shenzhen) Co., Ltd.**

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