LG Business Solutions

LG Electronics Inc.

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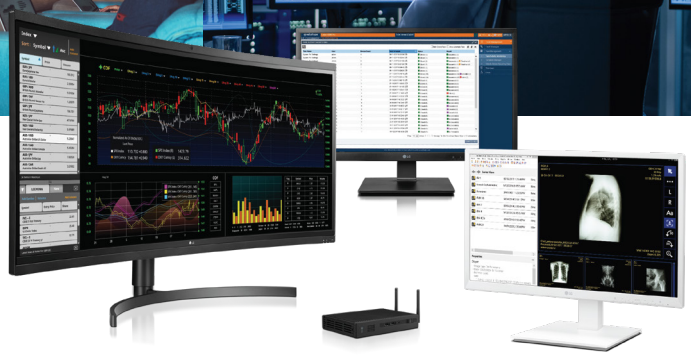
LG Cloud Device

Your Productivity Secured

LG Business Solutions

Why Cloud Device



What is Desktop Virtualization?

Desktop Virtualization is a VDI[1] technology called the the Second PC Revolution, in which the PC body disappears from the office desk. Users work through PCs or laptops, but the actual computing environment is how servers built in the data center operate. A PC can log in to a server in the data center and be used as needed, and can perform desktop operations continuously using VDI applications that use remote display protocols. Any computer or device can be used without having to carry the same computer around to use the same data and applications. There are many types of VDI services depending on the purpose and environment, and one is "VDI on premises," which has independent servers. The other is "VDI on public cloud," which leases freely. And, there is a hybrid option that has both types of services, VDI on premises and VDI on public cloud.

Comparison of Various Types of VDI Solutions

	Expense	Flexibility	Security	VDI Solutions
VDI on Premises	High Installation Cost	Low	Extremely High	CITRIX vmware
VDI on Public Cloud	'Pay as you go' Subscription	High	High	amazon WorkSpaces, Azure

Why Cloud Device?

Many organizations and global enterprises are paying close attention to the explosive growth potential of the VDI market. Especially in VDI-based devices, the global Thin Client and Zero Client markets are expected to grow from USD 1,564 million by 2020[2]. Establishing a cloud-based business environment with Thin Client and Zero Client, which are lighter than conventional PCs, it allows users accessing and computing by using VDI solutions and ultimately provides benefits such as cost savings, security, and improved productivity. LG Cloud Devices have various Thin Client and Zero Client forms, ranging from All-in-One to Desktop, and add value to any work environment, from government to specific industries, with better performance and lower costs than conventional PC devices.

Comparison of Various Types of Client

	Thick or Fat Client (Conventional PCs)	Thin Client	Zero Client
Processor	Over i3-class	Pentium or Celeron	Teradici SoC
Operating System	Windows, MacOS	Windows Embedded, Linux	-
RAM	Over 4GB	About 2~8GB	512MB
Storage	Over 128GB	Over 8GB	-
VDI Solution	Citrix, VMware, Amazon WorkSpaces, Microsoft Azure	Citrix, VMware, Amazon WorkSpaces, Microsoft Azure	VMware, Amazon WorkSpaces

1) Virtual Desktop Infrastructure
2) Source by Gartner, Juniper Research, Global Industry Analysts.

Security
How to block the leakage of information

Business Status

Companies are struggling to prevent leakage of information.
As most enterprises are facing various challenges in building integrated infrastructure, reducing operational costs, low security awareness and increasing data security, they also are struggling to prevent the leakage of core technologies and important information.

Corporate Security Statistics[1)]

Data leaks caused by external attacks
36%

Data leaks caused by an insider threat
64%

Data leaks caused by non-privileged employees' insensitivity
51%

Data leaks caused by ignoring cybersecurity procedures when working remotely
52%

Expectation Effectiveness

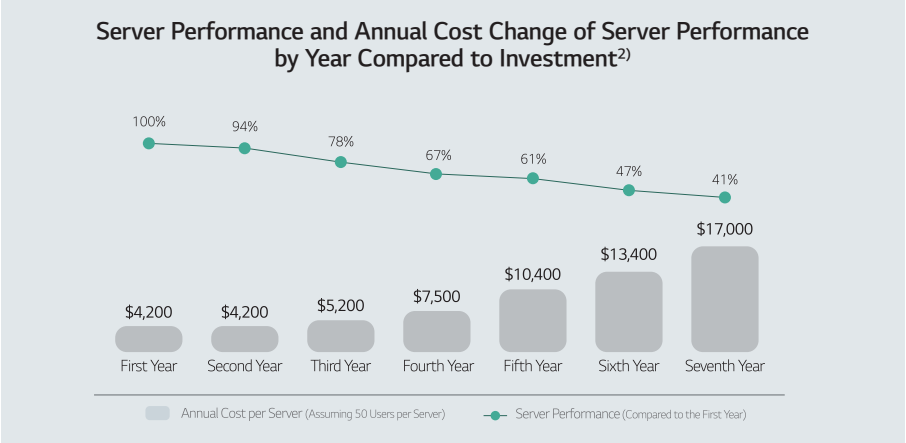
Cloud environment can strengthen security.
Security is enhanced when replacing existing devices with cloud devices because a cloud environment is more secure than a conventional PC environment. In a cloud environment, it is possible to build integrated infrastructure, reduce operational costs and tighten security. Plus, it allows information to be managed and secured in a central server, eliminating the need to store important information in a personal computer.

1) Infowatch, A Study on Global Data Leaks (2019). ZDNet, Cybersecurity: Half of employees admit they are cutting corners when working from home (2020).

Cost Effectiveness
How to reduce the TCO[1)]

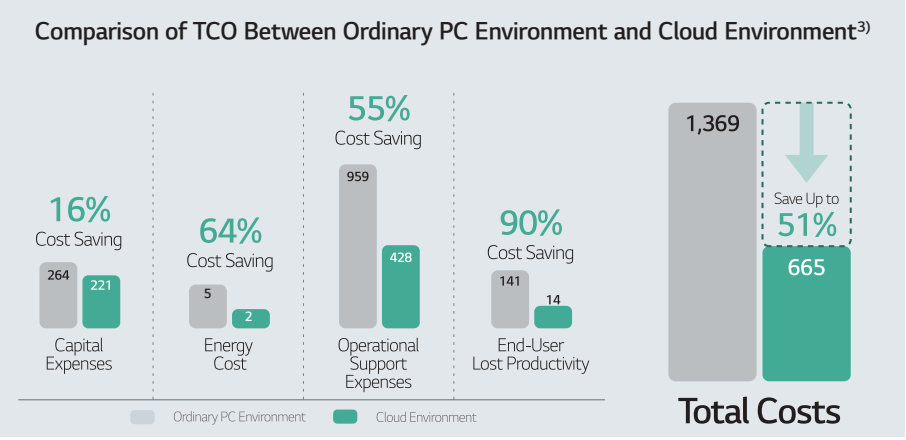
Business Status

Companies are having trouble with their legacy systems.
The longer a company's history, the more dependent they tend to be on legacy systems. This means that they experience difficulties such as the inability to cope promptly with the changing business environment, or increased IT infrastructure maintenance cost.



Expectation Effectiveness

Switching to the cloud environment can save up to 51% on TCO annually.
Using the cloud computing and cloud devices to modernize legacy systems can reduce maintenance and rental costs. An ideal cloud environment can reduce Total Cost of Ownership (TCO) by approximately 51%.

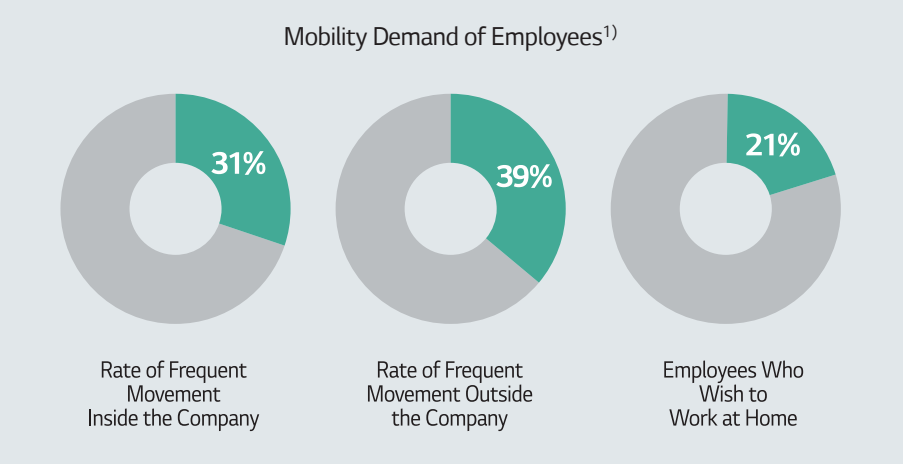


1) Total Cost of Ownership, an estimated of all the direct and indirect costs involved in acquiring and operating a product of system over its lifetime
2) IDC, Reasons Why We Must Upgrade the Server Infrastructure Now (2016)
3) LG Electronics internal data, estimated figure based on 1,000 annual users

Work Efficiency
How to improve work efficiency

Business Status

Mobility demand is increasing.
In most companies, work does not occur only in fixed office. Therefore, in order to improve the efficiency of the work, the contents of the network system that enables remote work from outside the office should be considered. In addition, when collaborating with related departments, most companies struggle with the lack of systematically integrated digital administration and inefficient communication among departments, decreasing work efficiency and sustainable profit generation. Also, they need new communication solutions to handle diversification in the work-place and increase collaboration and compatibility among different devices used by each worker.



Expectation Effectiveness

Cloud device makes the working environment pleasant.
When replacing existing devices with cloud devices, work efficiency is increased. It frees up physical space by reducing the required desk space needed, and it supports a fanless CPU, reducing noise for a more pleasant work environment while still offering the same level of performance.

Cloud environment leads digital innovation.
In addition, cloud environments lead to more digital innovation. Through the central-ization of data, analyzing customer and market information in real time and efficiently managing and maintaining IT infrastructure allows for resources to be reallocated and improves the operational efficiency of the IT infrastructure. Plus, it establishes a more creative, collaborative organizational culture, enabling innovation in business.

1) Optimaze, Workplace Review (2018)

Benefits by Vertical

Finance | Large & Middle-sized Company | Government | Education | Hospital

Finance

SECURITY

LG Thin Client never stores valuable, sensitive financial information. Instead, that information remains safe at the data center and is only accessible by authorized users, bringing peace of mind to your office and the clients who depend on you.

TCO

Reduce TCO by reducing the number of IT managers and staffing costs. You can create new services and gain a competitive advantage by expanding contacts with customers.

WORK EFFICIENCY

Seconds can make all the difference in the high-stakes world of investing. Trading clunky and demanding PCs for streamlined LG Thin Client Devices lets the office do more with less IT involvement, eliminating potential downtime due to constant updates or maintenance.

Large & Middle -sized Company

SECURITY

Using a cloud device can strengthen security at the device level. In a Zero Client setup, installation or modification of files by the end user must be approved by an administrator because there is no separate internal storage space. Unlike Zero Client, thin client does have a certain amount of storage, but it has better security than an ordinary PC environment because the usage and users of storage devices can be restricted through the management console and application.

TCO

Operational cost is composed of the cost required for staff to manage the IT network and the losses incurred due to IT network problems. Normally, an IT network administrator can manage about 65 ordinary PCs per year. In the case of cloud devices, however, one administrator can manage up to 130 devices per year. In addition, with a cloud environment, you can easily replace any failed device with another and continue working from where you left off with little or no impact.

WORK EFFICIENCY

Compared to traditional PCs, LG Thin Clients simplify management and compliance. IT administrators can update software and implement rule changes from a single management console – for instance, making software security updates at the data center and limiting the use of USB drives across the Thin Client fleet. The relative simplicity of the process can improve overall compliance and free administrators to focus on other tasks.

Government

SECURITY

Since LG Thin Clients run virtual desktops and applications at the data center, it's difficult for malware and viruses to establish a foothold at the endpoint. In addition, versatile connectivity allows the integration of supplemental measures such as biometric security readers, helping prevent unauthorized access and keeping government and non-profit institutions safe and secure.

TCO

Evolving a traditional, PC-based environment to an LG Thin Client model can help make the most of every hardware dollar spent without sacrificing performance or effectiveness. As a result, you can leverage your budget in a rational way while improving performance.

WORK EFFICIENCY

Save time with a Thin Client fleet that requires less upkeep than most traditional PCs. An entire fleet can be updated from one centralized terminal, eliminating the need to constantly update individual devices.

Education

SECURITY

LG Thin Clients are a natural choice for protecting student data in accordance with the Family Educational Rights and Privacy Act (FERPA), including grades, financial aid information, contact information, and more. With less endpoint exposure, data remains safe in the data center.

TCO

Educational institutions can manage their digital devices with a relatively low resource management budget, making it easy to build a digital learning environment.

WORK EFFICIENCY

LG Thin Clients let students and staff access valuable research tools by logging into their own virtual desktops from any available Thin Client. This model maximizes the usability of every Thin Client, increases user access to shared resources, and helps to maintain endpoint security through dedicated log-in credentials.

Hospital

SECURITY

No patient data is stored on an LG Thin Client, and important system and application software is centralized at the data center. This structure, combined with centralized data storage, helps to eliminate key vulnerabilities of traditional endpoint devices, making LG Thin Clients a significant part of a robust, HIPAA* -compliant infrastructure. For additional security, the versatile connectivity of LG Thin Clients makes it easy to add biometric authentication devices for additional security at log-in.

TCO

Offers enhanced healthcare services by managing the hospital's maintenance costs.

WORK EFFICIENCY

Optimized healthcare can be achieved by simultaneously reviewing medical information and treating a patient safely via telemedicine. In addition, LG Thin Clients let medical professionals securely log in and access information and resources from a protected data center.

* Health Insurance Portability and Accountability Act of 1996.

What Makes LG Cloud Device Competitive?

UltraWide™ All-in-One

MULTI-TASKING

LG boasts not only competitive models within various product types from All-in-One to Desktop with the customary specifications, but also high-end products equipped with a 38-inch curved WQHD+ UltraWide™ display for the first time in the cloud device industry. This 38-inch UltraWide™ All-in-One has 2.4 times more workspace than a 16:9 Full HD monitor, allowing for seamless office work. You can view more data and charts at once without enlarging or reducing various office programs. In addition, PBP/PIP features allow the user to write an email while analyzing lots of data and multiple charts simultaneously on a single monitor without adjusting the window size or switching between programs by splitting the screen as needed.

Video Conferencing Solution

INTEGRATED WEBCAM, MIC AND SPEAKERS

LG's All-in-One Cloud Device* features built-in webcam, integrated microphone and speakers support that is optimized to meet business needs in the workplace environment where video conferencing has become the new normal.

IPS Display

CLEAR PICTURE QUALITY AND WIDE VIEWING ANGLE

IPS (In-Plane Switching) technology provides visual comfort for researching or for reviewing documents and charts with others, presenting clear images from any angle without any color distortion. LG's All-in-One Cloud Device, which ranges from Thin Client to Zero Client, uses IPS displays instead of TN or VA panels, giving users visual comfort and efficiency no matter which device is selected.

Dual-Band RFID

PUBLIC BUT PERSONALIZED

With the Dual-band RFID module, multiple people can use the device as a personalized thin client. This is useful for shift work, allowing various members of staff to log in to a personal virtual desktop from the same thin client. Additionally, the RFID module improves security and prevents the leakage of sensitive data by facilitating end-user adjustment options such as controlling who is authorized to log in to the thin client.

Design

MULTI-SCREEN WITH SAME LOOKING LG MONITORS

LG's All-in-One Cloud Device has the same look as an LG monitor, allowing it to integrate neatly into the existing office environment. LG is a global innovator in technology and manufacturing. And, LG is leading the technology in products with built-in display, especially TVs and monitors, which are widely used around the world. Therefore, having the same appearance as the commonly used LG monitor delivers many benefits for the office environment. Screens can be expanded cleanly and visually in the office, naturally creating a seamless multitasking environment.

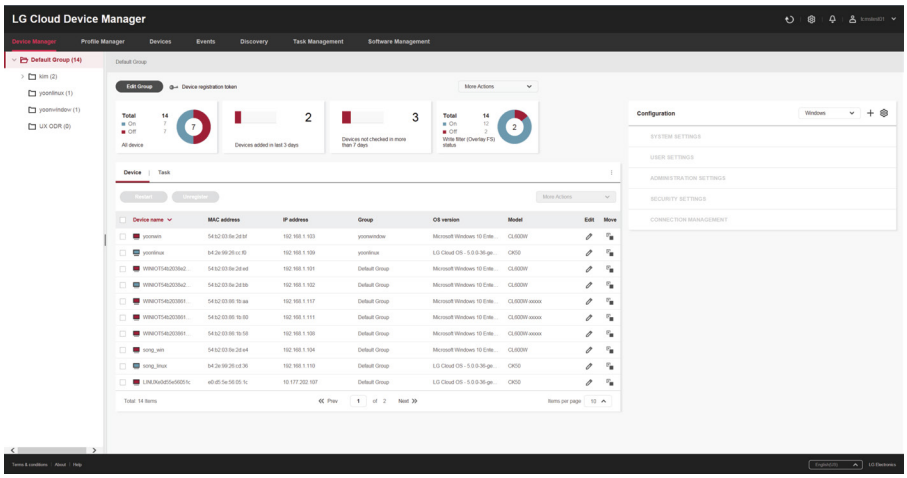
*Only for 38CL950, 34CN650, 27CN650, 24CN650

LG Cloud Device MANAGER

Powerful Management Console for LG Cloud Devices

What is LG Cloud Device MANAGER?

LG Cloud Device Manager offers easy and simple management of Thin Client devices. IT managers can conveniently check the status of every Thin Client on the dashboard simultaneously. It also offers greater protection of the company's sensitive and confidential information. With centralized configuration and controls the Cloud Device Manager can deliver time and cost savings. This means that IT managers can focus their attention on other valuable tasks.



Benefit of LG Cloud Device MANAGER

Simple installation and user preference setup

Everything you need is included in a single installation package ensuring that installing and configuring the LG Cloud Device Manager is quick and easy. Additionally, rather than configuring each device manually, users can create a profile which will can be applied to endpoint devices or groups for quick optimization.

Optimized task execution

With commands performed faster than other management console software, IT managers can reliably and efficiently execute tasks. The template function allows IT managers to define the list of actions they want to execute as a template. This can then be applied to a Thin Client or group, allowing tasks to be executed sequentially, minimizing errors and time.

Convenient management

LG Cloud Device Manager doesn't require any dedicated applications to access the management console allowing IT managers to easily manage Thin Clients via web browser. The Cloud Device Manager also allows you to register and update device and asset information with a CSV file (Device name, Location, Department, Asset ID, Description).

LG Cloud Device MANAGER Introduction Film

The Match Maker

LG has a diverse cloud device lineup that can be applied to any business environment. The LG Cloud Device is interoperable, allowing you to connect directly to your existing infrastructure, and is also highly manageable through the management console. We have a high-quality, large-format display lineup, providing a direct solution for business efficiency. Find the best LG Cloud Device for your business.

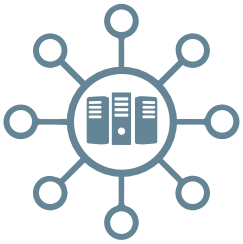
Step 1

Choose one of the Zero / Thin Client methods to suit your business environment.

ZERO CLIENT

Since the PC performs only the role of a terminal, it is advantageous to concentrate the data and maximize the efficiency of management.

vmware amazon WorkSpaces



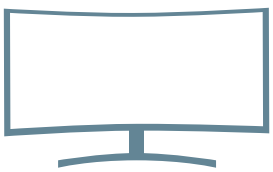
THIN CLIENT

High-performance CPU and memory use maintains efficient management, beyond normal document work, so even a simple level of graphics work is supported.

All VDIs

Step 2

Choose either All-in-One or Desktop to suit your existing setup and work environment.



ALL-IN-ONE TYPE

The All-in-One Cloud Device having a 21:9 UltraWide or 16:9 Conventional display that ensure IPS-based premium picture quality enables more efficient use of space.

DESKTOP

Space can be utilized more efficiently with a Desktop Cloud Device, which is lighter than PC and takes on the role of the PC.

Step 3

Choose one of the Zero / Thin Client methods to suit your business environment.

		THIN CLIENT									ZERO CLIENT	
		All-in-One							Desktop		All-in-One	Desktop
		38CL950P 38CL950N	34CN650W 34CN650N	27CN650W 27CN650N	24CN650W 24CN650N	24CK550W 24CK550N	24CN670W 24CN670N	24CK560N	CL600W CL600N	CK500W CK500N	24CK550Z	CBV42-BP
Display	IPS Display	✓	✓	✓	✓	✓	✓	✓			✓	
	Inch	37.5 inch	34 inch	27 inch	23.8 inch	23.8 inch	23.8 inch	23.8 inch			23.8 inch	
	Aspect Ratio	21:9	21:9	16:9	16:9	16:9	16:9	16:9			16:9	
	Resolution	WQHD+	WFHD	Full HD	Full HD	Full HD	Full HD	Full HD			Full HD	
	PBP	✓							No Display			No Display
Ergonomic Stand	Tilt	✓	✓	✓	✓	✓	✓	✓			✓	
	Swivel			✓	✓	✓	✓	✓			✓	
	Pivot			✓	✓	✓	✓	✓			✓	
	Height	✓	✓	✓	✓	✓	✓	✓			✓	
Connectivity	4K Resolution Support	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	USB Type-C™	✓	✓	✓	✓		✓		✓			
	Display Port		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Convenience	Fanless Design	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Built-in Speaker	✓	✓	✓	✓	✓	✓	✓	✓		✓	
	Mic-in	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Built-in Mic	✓	✓	✓	✓							
	Webcam	HD	Full HD	Full HD	Full HD							
	RFID						✓					
VDI Support	VMware	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Citrix	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	Amazon Workspace	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Windows Virtual Desktop	✓	✓	✓	✓	✓	✓	✓	✓	✓		

vmware citrix IGEL teradici imprivata stratodesk

Product Brief

LG Cloud Device Thin Client

38CL950P/N

37.5-inch UltraWide™ All-in-one

38CL950P/N
Product Film

IGEL READY

- 21:9 UltraWide™ WQHD+ IPS Display
- AMD Ryzen™ Embedded
- 1 Display Support
- Built-in Webcam & Speaker & Mic
- Fanless Design
- USB Type-C™

34CN650W/N

34-inch UltraWide™ All-in-one

34CN650W/N
Product Film

vmware READY END-USER COMPUTING · citrix Ready Endpoint Premium · IGEL READY · stratodesk

- 21:9 UltraWide™ Full HD IPS Display
- Intel® Quad-core
- Up to 2 Displays Support
- USB Type-C™
- Fanless Design
- Built-in Webcam & Speaker & Mic

27CN650W/N

27-inch All-in-one

27CN650W/N
Product Film

vmware READY END-USER COMPUTING · citrix Ready Endpoint Premium · IGEL READY · stratodesk

- 16:9 Full HD IPS Display
- Intel® Quad-core
- Up to 2 Displays Support
- USB Type-C™
- Fanless Design
- Built-in Webcam & Speaker & Mic

24CN650W/N

23.8-inch All-in-one

24CN650W/N
Product Film

IGEL READY

- 16:9 Full HD IPS Display
- Intel® Quad-core
- Up to 2 Displays Support
- USB Type-C™
- Fanless Design
- Built-in Webcam & Speaker & Mic

Product Brief
LG Cloud Device Thin Client

24CK550W/N
23.8-inch All-in-one

- 16:9 Full HD IPS Display
- 1 Display Support
- Built-in Speaker
- Fanless Design

24CN670W/N
23.8-inch All-in-one for Healthcare

24CN670W/N Product Film

- 16:9 Full HD IPS Display
- Dual-band RFID
- Fanless Design
- IEC60601 certified

24CK560N
23.8-inch All-in-one for Healthcare

24CN560N Product Film

- 16:9 Full HD IPS Display
- IEC60601 certified
- Fanless Design
- Ergonomic Design

CL600W/N
Desktop

CL600W/N Product Film

- Intel® Quad-core
- Up to 3 Displays Support
- USB Type-C™

CK500W/N
Desktop

- Up to 2 Displays Support
- Fanless Design
- Connectivity

Product Brief
LG Cloud Device Zero Client

24CK550Z
24-inch All-in-one

vmware READY END-USER COMPUTING teradici PCoIP

- 16:9 Full HD IPS Display
- Ergonomic Design
- PCoIP
- Built-in Speaker

CBV42-BP
Desktop

vmware READY END-USER COMPUTING teradici PCoIP

- Connectivity
- Fanless Design
- PCoIP
- DisplayPort Out

Specification
Thin Client

All-in-One Thin Client

Category		UltraWide™ All-in-One		All-in-One				
Model		38CL950P / 38CL950N	34CN650W / 34CN650N	27CN650W / 27CN650N	24CN650W / 24CN650N	24CK550W / 24CK550N	24CN670W / 24CN670N	24CK560N
Display	Inch	37.5"	34"	27"	23.8"	23.8"	23.8"	23.8"
	Aspect Ratio	21 : 9	21 : 9	16 : 9	16 : 9	16 : 9	16 : 9	16 : 9
	Panel Type	IPS (Curved)	IPS	IPS	IPS	IPS	IPS	IPS
	Resolution	3840 x 1600	2560 x 1080	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080
	Brightness (Typ./Min.)	300cd/m², 240cd/m²	300cd/m², 240cd/m²	300cd/m², 250cd/m²	250cd/m², 200cd/m²	250cd/m², 200cd/m²	250cd/m², 200cd/m²	250cd/m², 200cd/m²
	Contrast Ratio	1,000 : 1 (Typ.)	1,000 : 1 (Typ.)	1,000 : 1 (Typ.)	1,000 : 1 (Typ.)	1,000 : 1 (Typ.)	1,000 : 1 (Typ.)	1,000 : 1 (Typ.)
	Response Time (GTG)	5ms (High)	5ms (High)	5ms (High)	5ms (High)	5ms (High)	5ms (High)	5ms (High)
	Viewing Angle (CR≥10)	178° (R/L), 178° (U/D)	178° (R/L), 178° (U/D)	178° (R/L), 178° (U/D)	178° (R/L), 178° (U/D)	178° (R/L), 178° (U/D)	178° (R/L), 178° (U/D)	178° (R/L), 178° (U/D)
System	Processor	AMD V1605 (4core 8thread)	Intel® Celeron J4105	Intel® Celeron J4105	Intel® Celeron J4105	AMD Pairie Falcon GX-212JJ	Intel® Celeron J4105	AMD Pairie Falcon GX-212JJ
	OS	38CN950P : Windows 10 IoT Enterprise 38CN950N : Non OS	34CN650W : Windows 10 IoT Enterprise 34CN650N : Non OS	27CN650W : Windows 10 IoT Enterprise 27CN650N : Non OS	24CN650W : Windows 10 IoT Enterprise 24CN650N : Non OS	**24CK550W : Windows 10 IoT Enterprise 24CK550N : Non OS**	24CN670W : Windows 10 IoT Enterprise 24CN670N : Non OS	Non OS
	Memory	8GB DDR4	34CN650W: 8GB DDR4 34CN650N: 4GB DDR4	27CN650W: 8GB DDR4 27CN650N: 4GB DDR4	24CN650W: 8GB DDR4 24CN650N : 4GB DDR4	4GB DDR4	24CN670W: 8GB DDR4 24CN670N : 4GB DDR4	4GB DDR4
	Graphic	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated	Integrated
	Storage (SSD)	128GB	34CN650W : 128GB 34CN650N : 16GB eMMC	27CN650W : 128GB 27CN650N : 16GB eMMC	24CN650W : 128GB SSD 24CN650N : 16GB eMMC	32GB	24CN670W : 128GB SSD 24CN670N : 16GB eMMC	32GB
Connectivity	DisplayPort	-	1 x DP (Output)	1 x DP (Output)	1 x DP (Output)	1 x DP (Output)	1 x DP (Output)	1 x DP (Output)
	HDMI	1 x HDMI (Input)	1 x HDMI (Input)	1 x HDMI (Input)	1 x HDMI (Input)	1 x HDMI (Input)	1 x HDMI (Input)	1 x HDMI (Input)
	USB	4 x USB 3.1, 2 x USB 3.1 Type-C (With DisplayPort Out), 1 x USB 3.1 Type-C (in)	1 x USB 3.1 Type-C (With DisplayPort Out), 4 x USB 3.1, 2 x USB 2.0	1 x USB 3.1 Type-C (With DisplayPort Out), 4 x USB 3.1, 2 x USB 2.0	4 x USB 3.1, 2 x USB 2.0	4 x USB2.0, 2 x USB3.0	4 x USB 3.1, 1 x USB 3.1 Type-C, 2x USB 2.0	4 x USB 2.0, 2 x USB 3.1
	Mic-in	Mic-in & Headphone Out Combo	Mic-in & Headphone Out Combo	Mic-in & Headphone Out Combo	Mic-in & Headphone Out Combo	Yes	Mic-in & Headphone Out Combo	Yes
	Headphone Out					Yes		Yes
Network	Wireless	Intel Dual Band Wireless-9260, 802.11ac 2 x 2 (BT 5.0 Combo, Internal Dual Antenna)	Dual Band 802.11a/b/g/n/ac 2 x2 (BT 5.0 Combo, Internal Antenna)	Dual Band 802.11a/b/g/n/ac 2x2 (BT 5.0 Combo, Internal Antenna)	Dual Band 802.11a/b/g/n/ac 2x2 (BT 5.0 Combo, Internal Antenna)	Intel Dual Band Wireless-AC 3168 1 x 1 AC (AGN support, BT 4.0 + LE Combo), Internal Antenna	Dual Band 802.11a/b/g/n/ac 2x2 (BT 5.0 Combo, Internal Antenna)	Intel Dual Band Wireless-AC 3168 1x1 AC (AGN support, BT 4.0 + LE Combo)
	Bluetooth	BT 5.0	BT 5.0	BT 5.0	BT 5.0	BT 4.0	BT 5.0	BT 4.0
	Ethernet	Yes (Gigabit)	Yes (Gigabit)	Yes (Gigabit)	Yes (Gigabit)	Yes (Gigabit)	Yes (Gigabit)	Yes (Gigabit)
Speaker	Built-in Stereo	Yes (10W x 2)	Yes (5W x 2)	Yes (3W x 2)	Yes (3W x 2)	Yes (3W x 2)	Yes (3W x 2)	Yes (3W x 2)
Dimension & Weight	W x H x D (with Stand)	897.3 x 634.7 x 235 (mm)	825.6 x 570.7 x 230 (mm)	622.3 x 531.7 x 239.6 (mm)	553.4 x 382.7 x 240 (mm)	533.8 x 512.9 x 240 (mm)	553.8 x 512.9 x 240 (mm)	533.8 x 512.9 x 240 (mm)
	W x H x D (without Stand)	897.3 x 424 x 100.3 (mm)	825.6 x 374.8 x 60.5 (mm)	622.3 x 371.5 x 61 (mm)	553.4 x 332.7 x 59.4 (mm)	533.8 x 333.1 x 67.6 (mm)	553.8 x 382.9 x 59.4 (mm)	533.8 x 333.1 x 67.6 (mm)
	Weight (with Stand)	10.2 kg	8.3 kg	7.8 kg	6.2 kg	6.1 kg	6.2 kg	6.1 kg
	Weight (without Stand)	8.8 kg	6.6 kg	5.6 kg	4.1 kg	3.95 kg	4.05 kg	3.95 kg
	VESA	100 x 100 (mm)	100 x 100 (mm)	100 x 100 (mm)	100 x 100 (mm)	100 x 100 (mm)	100 x 100 (mm)	100 x 100 (mm)
Stand	Adjustable Stand	Tilt : -5~15°, Height Range : 100mm	Tilt : -5~15°, Height Range : 100mm	Tilt : -5~35°, Swivel : 0~355° (±5°), Height Range : 130mm, Pivot : ±90° (Bi-directional)	Tilt : -5~35°, Swivel : 0~355° (±5°), Height Range : 130mm, Pivot : ±90° (Bi-Direction)	Tilt : -5~35°, Swivel : 0~355° (±5°), Height Range : 130mm, Pivot : ±90° (Bi-directional)	Tilt : -5~35°, Swivel : 0~355° (±5°), Height Range : 130mm, Pivot : ±90° (Bi-Direction)	Tilt : -5~35°, Swivel : 0~355° (±5°), Height Range : 130mm, Pivot : ±90° (Bi-directional)
Webcam	Webcam	Yes	Yes (Full HD, Pop-up type)	Yes (Full HD, Pop-up type)	Yes (Full HD, Pop-up type)	-	-	-
Security	TPM (Trust Platform Module)	Hardware TPM 2.0	Hardware TPM 2.0	Hardware TPM 2.0	Hardware TPM 2.0	Software TPM	Hardware TPM 2.0	Software TPM
Standard	Medical Standard	-	-	-	-	-	IEC60601, CE MDD, FDA Class I	IEC60601, CE MDD, FDA Class I

Specification
Thin Client

Desktop Thin Client

Model		CL600W	CL600N	CK500W	CK500N
System	Processor	Intel® Celeron J4105		AMD Pairie Falcon GX-212JJ	
	OS	Windows 10 IoT Enterprise	Non OS	Windows 10 IoT Enterprise	Non OS
	Memory	8GB DDR4	4GB DDR4	4GB DDR4	
	Graphic	Integrated		Integrated	
	Storage (SSD)	128GB	16GB	32GB	
Connectivity	DisplayPort	2 x DP (Output)		1 x DP (Output)	
	HDMI	-		1 x HDMI (Output)	
	DVI-I	-	-	1 x DVI (Output)	
	USB	2 x USB 2.0, 4 x USB 3.1, 1 x USB 3.1 Type-C (With DisplayPort Out)		4 x USB 2.0, 2 x USB 3.1	
	Mic-in & Headphone Out Combo	Yes		Mic-in / Headphone-out	
Network	Wireless	Dual Band 802.11a/b/g/n/ac 2x2 (BT 5.0 Combo, External Antenna)		Intel Dual Band Wireless-AC 3168 1x1 AC (AGN support, BT 4.0 + LE Combo)	
	Bluetooth	BT 5.0		BT 4.0	
	Ethernet	Yes (Gigabit)		Yes (Gigabit)	
Speaker	Built-in Stereo	-		-	
Dimension & Weight	W x H x D (without Stand)	199 x 137 x 35 (mm)		180 x 117 x 39.9 (mm)	
	Weight (without Stand)	0.8 kg		1 kg	
	VESA	100 x 100 (mm)		100 x 100 (mm)	
Security	TPM (Trust Platform Module)	Hardware TPM 2.0		Software TPM	

Specification
Zero Client

All-in-One Zero Client

Model		24CK550Z
Display	Inch	23.8"
	Aspect Ratio	16 : 9
	Panel Type	IPS
	Resolution	1920 x 1080
	Brightness (Typ./Min.)	250cd/m2, 200cd/m2
	Contrast Ratio	1,000 : 1 (Typ.)
	Response Time (GTG)	14ms (High)
	Viewing Angle (CR≥10)	178° (R/L) / 178° (U/D)
System	Processor	Teradici TERA2321
	OS	-
	Memory	512MB
	Storage	-
Connectivity	DisplayPort	1 x DP (Output)
	HDMI	-
	DVI-I	-
	D-Sub	1 x D-Sub (Input)
	USB	6 x USB 2.0
	Mic-in	Yes
	Headphone Out	Yes
Network	Wireless	-
	Bluetooth	-
	Ethernet	Yes (10/100/1000)
Speaker	Built-in Stereo	Yes (3W x 2)
Dimension & Weight	W x H x D (with Stand)	553.8 x 512.9 x 240 (mm)
	W x H x D (without Stand)	553.8 x 333.1 x 67.6 (mm)
	Weight (with Stand)	6.0 kg
	Weight (without Stand)	3.85 kg
	VESA	100 x 100 (mm)
Stand	Adjustable Stand	Tilt : -5~35°, Swivel : 0~355° (±5°), Height Range : 130mm, Pivot : ±90° (Bi-directional)
Webcam	Webcam	-
Security	TPM (Trust Platform Module)	-

Specification
Zero Client

Desktop Zero Client

Model		CBV42-BP
System	Processor	Teradici TERA2321
	OS	-
	Memory	512MB
	Storage	-
Connectivity	DisplayPort	1 x DP (Output)
	HDMI	-
	DVI-I	1 xDVI-I (Output)
	D-Sub	-
	USB	6 x USB 2.0
	Mic-in	Yes
	Headphone Out	Yes
Network	Wireless	-
	Bluetooth	-
	Ethernet	Yes (10/100/1000)
Speaker	Built-in Stereo	-
Dimension & Weight	W x H x D (with Stand)	189 x 144 x 70 (mm)
	W x H x D (without Stand)	185 x 144 x 31 (mm)
	Weight (with Stand)	0.67 kg
	Weight (without Stand)	0.65 kg
	VESA	100 x 100 (mm)

Specification
LG Cloud Device Manager

Minimum System Requirement

Category		Detailed Spec
SW Architecture	SW Components	Server (API / File-Repository / Message Broker Server, DB) SW UI Console (Browser) SW, Client Agent SW
	DB	MongoDB, MariaDB
	Web Server	Tomcat
Server Requirements	Supported OS	Microsoft Windows Server 2012 R2 ↑ (x86_64)
	Supported Browser for Console	Microsoft Internet Explorer : v.10.0 & v.11.0 Google Chrome : v.28 and later Mozilla Firefox : v.21 and later Apple Safari : v.5.1.7 and later
	Client Agent	Windows 10 IoT Enterprise
Server HW Requirements	Processor Options	Quad core, 3.0 GHz CPU (based system or above)
	RAM	Minimum 8GB
	Storage	Minimum Disk Space : 200GB
	Ethernet	1/10 GBPS Ethernet port

Feature

Feature		Details
Install Complexity		Simple : One Package
User Interface		Simple : Intuitive UI, Easy to Use
Supported Languages		8 Language (English, Korean, Germany, French, Spain, Portuguese, Japan, China)
Maximum Connected Endpoints		Up to 10,000 Endpoints
Main Functions	Device Manager	Add Group, Edit Group/Device, Move Group/Device, Delete Group
	Device Information	System Information, System Profile, Hardware Information, Software Information, Windows Updates
	Profile Manager	Configuration Profile, System Settings, User Settings, Administration Settings, Security Settings, Connection Management
	Events	Events Activity Monitoring
	Discovery	Scan / Register / Unregister
	Task Management	Task Activity Monitoring
	Software Management	Add / Edit / Install / Uninstall / Delete
Convenient Functions	Administration	General Settings, Device Information Bulk Update, Certificate Settings, Mailer Engine Settings, File Management, Cloned Images, User Management
	Remote Control Tools	Send Message, Power Management, Wake on LAN, File Management, Clone & Deploy Image, Request Log File, Application Command, Get / Apply Registry, Apply Template, VNC