



# FLATRON™

## Network Monitor

Revolutionary Multi-computing Solution





# LG 'Network' Monitor Series

College IT Manager

**“Cost-saving, easy maintenance, great data security, ultra-low power consumption, eco-friendly... it has so many merits that it’s difficult to name them all.”**

Providing the latest computing environment to students at a limited budget is a challenging job and our school is no exception. Due to budget shortage, we couldn't replace computers that were over five years. Even if we did have more money, it was impossible to buy state-of-the-art PC after replacing all the expensive computer hardware. Also, it wasn't easy to maintain the whole school's computing system with the limited budget and people. Since the computers were used by many students, the staffs had to fix dozens of computers everyday. That was why my colleagues often said that they're scared to even pass by the computer rooms. In short, we desperately needed a way to reduce costs and enhance maintenance efficiency.

It was around that time I discovered LG Network Monitor. Multiple monitors can be connected to one PC and each of the LG Network Monitor can be used for independent computing. After introducing the monitor in some of the classrooms, we became convinced that LG Network Monitor is the perfect computing solution for us. With these monitors, many students can share the latest computing resources at a low cost and the work of IT administrators was greatly reduced. LG Network Monitors are convenient to maintain and it supports total upgrade through host PC and even provides stable user environment by authorization management. Along with these benefits, LG Network Monitors saves energy by more than 90 percent, saves space, reduces noise, and also helps preserve the environment.

# Revolutionary Multi-Computing Solution

## How it works?

LG Network Monitor operates by using software that enables users to virtually share a single host PC. Once this software is installed on a PC, multiple users can share a single PC, with each user running any application that they desire by using LG Network Monitors, keyboards and mice as if they were using separate PCs. All computing tasks are done on the shared PC, while the monitors, keyboards and mice of the users communicate with the shared PC via connection device.

Today, even entry-level PCs feature 2GHz dual-core processors and high-performance RAM. It is extremely wasteful for users to use these computing powerhouses for simple work or educational tasks, such as word processing, surfing the Internet and sending or receiving e-mails. However, LG Network Monitor lets multiple users share the computing strength of a single PC. The virtual desktop software of LG Network Monitor divides computer resources into independent sessions, so that all users can simultaneously use a single PC. Users can individually enjoy a high-quality PC experience, while the PC transmits divided desktop screens to each user like a data administrator, and handles the separate keyboard and mouse of each user at the same time. Meanwhile, the virtual software effectively communicates with LG Network Monitor through UXP (User eXtension Protocol).

### \* Tips : Recommended PC spec.

Case1 : 2-6 Users (1 X 550 PCI Cards)

- ▶ Dual core processor at 3.0 GHz or higher with 2 GB of system memory (i.e. Intel Core 2 Duo or AMD Athlon X2)

Case2 : 7-11 Users (2 X 550 PCI Cards)

- ▶ Quad core processor at 2.66 GHz or higher with 4 GB of system memory (i.e. Intel Core 2 Quad or AMD Phenom X4)

## N series

(16", 17", 19" : N1642W, N1742L, N1941W)

Lowest Cost and Best Multimedia



- \* Direct connection
- \* Full multimedia
- \* PC in one room (8 m)
- \* Up to 11 users per PC

### ■ Recommended PC spec.

- Dual core processor at 3.0 GHz or higher with 2 GB of system memory (i.e. Intel Core 2 Duo or AMD Athlon X2)

### ■ Direct connection from host PC

- Up to 11 users per host
- Multi-media / Internet
- Office productivity

### ■ Peripheral connections

- PS/2 Keyboard and mouse
- Speaker output

### ■ USB ports on host PC can be assigned to individual users



	N1742L	N1941W
Ratio	5:4	16:9 wide
Resolution	1280*1024	1366*768
Brightness	300cd/m <sup>2</sup> [Typical]	300cd/m <sup>2</sup> [Typical]
Response Time	5ms[Typical]	5ms[Typical]
Contrast Ratio	8000:1(DFC)	8000:1(DFC)
Signal input	D-sub, X-port	D-sub, X-port
Stand	tilt	tilt
Special features	Virtual multi-computing solution	

# Networking Monitor



## Reduce 60%

The cost of replacing a single PC\* stands at about £425 to £485, while adding an LG Network Monitor is just 40% of the cost of it. If you use LG Network Monitor, you will be able to save up to 60% of the cost of replacing your old computer with a new computer system.

\* including the monitor, keyboard, mouse and OS

## Save 70%

In addition, if you use LG Network Monitor, you will only need to manage a single host PC, which will reduce your repair, maintenance and management costs (such as system upgrading and computer replacement or repurchasing) by at least 70%.

## 1 watt per user

LG Network Monitor consumes minimal power compared to general PCs. As it also generates a low amount of heat compared to a PC, it may eliminate the need to lower the room temperature with air conditioning, thus helping you to save additional money on air conditioner purchases or electric power consumption. LG Network Monitor can reduce electricity consumption by up to 90% compared with general PCs.

## 1 Maximum Computing. Minimum Cost.

Although the latest PCs have incredibly powerful performance, most users do not utilize even 10% of their performance capacity, which is a huge waste of a computer's potential. While it is easy to think that unused computing functions do not result in significant costs, the actual waste is not insignificant.

## 2 The Hottest trend in computing.

LG Network Monitor gives users the same software configuration as if they were using normal PCs, offering users and administrators a simple management environment as well as convenient installation and application. In addition, it can solve data security problems at a low cost, and creates a quiet environment owing to the low noise level.

## 3 The Greenest computer on earth.

LG Network Monitor achieves a 'green' computing environment, saves purchasing costs and maintenance & management costs, thus providing a solution to three fundamental requirements at once. Therefore, in addition to saving money, you can reduce climate change and electronic product waste. By choosing LG Network Monitor, you will be making a good choice for the health of the planet.

## Keep it simple



LG Network Monitor can freely operate in the majority of the latest software configurations, including Windows and LINUX, making it convenient and easy for users to use the monitor and install software, without requiring complex settings, such as a Windows terminal server and ICA Presentation. In addition, the power for the N series is supplied through Cap 5 and 6 LAN cables instead of through a separate power line, and all users (up to 11) can use the Internet through a single Internet line connected to the host PC, saving a substantial amount of time and money and providing protection from dangers such as fire.

## Data Security



Data security has emerged as a hot issue in companies, factories and government agencies, not to mention schools. According to the research of British IT Security Company [Sophos], PC users in companies are the source of 44% of the risk factors related to data security. The companies names as the top 10 companies in Fortune Magazine already manage all of their data in safe locations, through server-based computing devices. However, despite their awareness of importance of data security, most small and medium-sized businesses have not been able take advantage of server-based computing configurations, due to their vast cost. For these small and medium-sized businesses, LG Network Monitor may be the optimal solution.

## Noise Liberation



Rooms that have only a single PC are not greatly affected by noise, while rooms with multiple PCs, such as offices, libraries, Internet cafes and computer rooms in schools generate a significant amount of noise. In most of these places, a quiet ambiance is desirable. With LG Network Monitor, you can create an environment that is free from noise.

## Electricity



LG Network Monitor consumes merely 1 - 5W, compared to the approximately 110W consumed by a single PC. This means that you can reduce the energy consumption of each user by up to 99%. The power savings alone will help you to recover the cost of purchasing the LG Network Monitor within one year.

## Air conditioning



Lower energy consumption also means lower heat generation. A room with multiple PCs requires an air conditioner to control the room temperature, but this does not apply to a room with just a host PC and LG Network Monitor. This means that you can cut down on the number of air conditioners you require, save money on your electricity bill, and vastly reduce your costs.

## E-Waste



Most PCs are scrapped after 3 - 5 years, but you can use the LG Network Monitor for 10 years or longer. In addition, the monitor creates less waste than the approximately 10kg of waste produced when a PC is scrapped, leading to a decrease in the waste transportation volume and the size of landfills.



# LG Network Monitor

## Specifications

Module	Feature	Size(Inch)		
			Panel Type	
			Display color	
			Aspect Ratio	
			Resolution	
			Brightness(cd/m <sup>2</sup> )	
			Contrast ratio(DFC)*	
			Response Time	
			Viewing Angle(CR ≥ 5)	
			Lamp type	
			Panel surface	
Circuit/ Firmware	Jack Input/Output	Signal Input	D-Sub	
			PC input	
			Lan cable limitation	
		Audio input	Others	
	Audio output	Headphone Out		
	Others	Key board/Mouse out		
	Speaker	Type	Audio output	
		Power	Input/Output	Input
		Consumption	Normal On(Typ.)	
			Power Save/ Sleep Mode(Max)	
			DC Off(Max)	
	Frequency	Analog	Frequency(H/V)	
	Special Feature		Multi-computing	
			f-Engine	
			4:3 in wide	
			Sound	
			sRGB	
			DDC/CI	
			Intelligent Auto (Auto Resolution)	
			Plug & Play	
		Base Detchable		
		Tilt(Angle)		
Mechanic	Standard		Set (with Stand)	
			Set (without Stand)	
	Size/ Weight	Dimension	W*D*H	Box
			mm	Wall Mount
		Weight		Set (with Stand)
			Kg	Set (without Stand)
			Set(with Stand & Box)	
	Standard/Package contents	Standard		TC003
			UL(cUL)	
			TUV-GS	
			SEMKO	
			FCC-B, CE	
			EPA	
			VESA Mount	
Package Contents				Basic
				Optional

### DEPLOYED MODEL

\* DFC(Digital Fine Contrast ratio)



N1742L	N1941W
17" class (17.0" diagonal)	19" class (18.5" diagonal)
TN	TN
16.7M	16.7 M
5:4	16:9
1280X1024	1366X768
300	300
8000:1	8000:1
5ms	5ms
176/170	170/170
CCFL	CCFL
non Glare	non Glare
Yes	Yes
X-PORT - Signal from X550 by LAN Cable	X-PORT - Signal from X550 by LAN Cable
SFTP Type:-6m(recommended),-10m(Max)	SFTP Type:-6m(recommended),-10m(Max)
From X-port	From X-port
Yes	Yes
Yes(PS2x2ea)	Yes(PS2x2ea)
Built-in	Built-in
1W*2Ch	1W*2Ch
100-240V	100-240V
32W(Typ)	21W(Typ)
1W under	1W under
1W under	1W under
30-66Khz/56Hz-63Hz	30-50Khz/56Hz-63Hz
Yes	Yes
Yes	Yes
-	Yes
Yes	Yes
Yes	Yes
Yes	Yes
Yes	Yes
DDC2B	DDC2B
Yes	Yes
Yes / -5° [front] ~ 20° [rear]	Yes / -5° [front] ~ 20° [rear]
369.6(W)*184.8(D)*391.3(H)	448.4(W)*198.4(D)*357.9(H)
369.6(W)*59.0(D)*315.1(H)	448.4(W)*57.63(D)*278(H)
421(W)*362(D)*115(H)	511(W)*119(D)*359(H)
VESA(75*75)	VESA(75*75)
3.1	3.5
2.8	3.2
4.2	4.9
Yes	No
Yes	Yes
TUV-Type	TUV-Type
Yes	Yes
Yes	Yes
Yes	Yes
Yes	Yes
Yes	Yes
Monitor, Stand, Power cable, 15pin D-sub, Manual, Driver CD PCI card/Vspace CD, Lan cable	

# TOP OF THE CLASS: LG'S NEW NETWORK MONITOR

Isn't it time you made the most of your working environment?

The revolutionary Network Monitor from LG helps you achieve just that.

Engineered to securely run a multiple network of up to eleven network monitors from a single host PC. In addition you will also benefit from a substantial reduction in energy consumption and eliminate per-user costs by up to 70%. Maximum potential. Maximum savings. That's progress worth growing with.



DISCOVER THE UNDISCOVERED



N series  
[www.lge.co.uk](http://www.lge.co.uk)

