



imagine an all-in-one monitor
Samsung SyncMaster™ Thin Client Monitors



www.samsung.com/uk/business

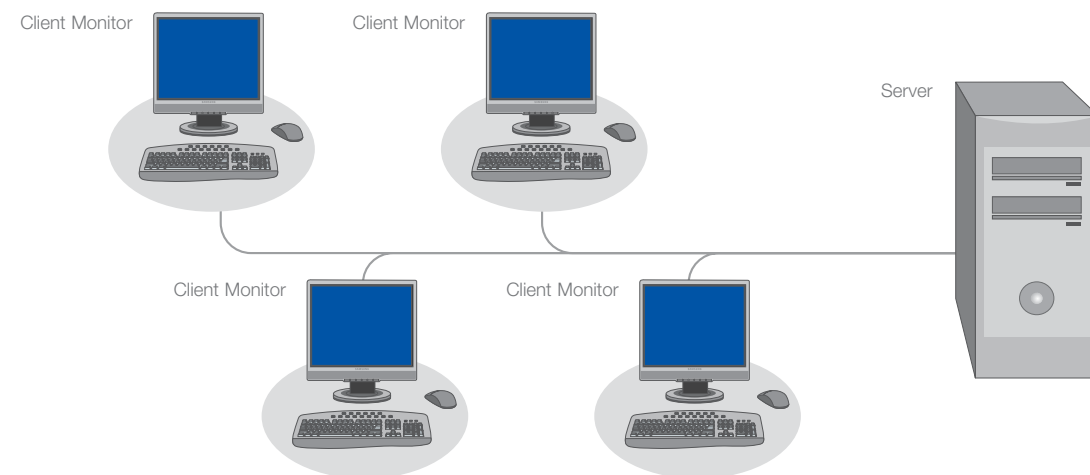


Combined PC & Monitor Solutions

The new wave of office computing

Server-based computing is an increasingly popular alternative to having a PC on every desk. Samsung thin client monitors take server-based computing to a new level of convenience and affordability. By combining a premium quality LCD monitor with a built-in thin client in one space-efficient unit, they offer an even lower total cost of ownership and simpler maintenance and support.

Server-Based Computing with Client Monitor



Thin Clients offer:

- High reliability
- Low power consumption, heat and noise generation
- High data security
- Ease of management
- Ease of updates
- Vastly reduced desktop maintenance costs
- Quick to swap out and replace
- Central processing, so ease of maintenance, backup, server consolidation
- Less desktop space needed
- Ease of ability to change network configuration
- Ease of assigning user privileges
- Low cost of maintenance – no need for IT people to be desk-side

SBC (Server-Based Computing)

In SBC environments, multiple thin clients are connected to a central server via the network. In big installations there may be more than one server - it may be a cluster of terminal servers with failover. This IT solution enhances efficiency of installation, maintenance, security, and virus protection compared to the conventional computing environment that consists of multiple PCs.

Thin Client

Each thin client provides basic computing functions: connecting to a server via the network, transmitting input signals to the server, and showing output of performance.

imagine a cost effective, stylish
& easy to use monitor solution



Innovation & Design

Unrivalled performance and reliability as standard

Samsung's thin client monitors are everything you would expect from the world's number one manufacturer of LCD screens. Combining the latest technology with outstanding design, they deliver vibrant images and crystal clear audio, while taking up no more room than a standard monitor. For the ultimate in clutter-free working they can even be wall-mounted.

Embedded Browser

Lets you use simple internet functions without connecting to the server

Best Quality LCD Screen

Premium display technology from the world's Number 1 LCD manufacturer



MagicSpeed

Fast image processing delivers high quality moving images



Adjustable Height

Height adjustable for viewing comfort and ergonomic working

Magic Rotation

Rotating display lets you switch between landscape and portrait viewing for total convenience



Built-in Speakers

Integrated speakers for a sleek, uncluttered design



Diverse Connectivity

Multiple USB 2.0 connectivity makes it easy to add peripherals

Standard Features



Samsung Thin Client and your work environment

Thin Client monitor solutions are set to revolutionize the modern work environment. Their time saving, cost saving and space saving benefits offer unparalleled access and security. Below we have highlighted some key sectors and the opportunities thin client solutions offer.

Education

Benefits: Tamper proof; low cost; easy to look after; easy to boot; easy to troubleshoot; resilient; low cost of ownership; do not go obsolescent easily; no viruses.

- Easy to configure and use
- Not possible to change settings so great for multiple users in classroom environment
- Easy to manage remotely
- Very low cost of ownership and easy to maintain
- Resilient and tamperproof

Healthcare

Benefits: Highly secure; flexible; no data; reliable; easy to manage; easy to deploy and manage remotely.

- Personnel can log in on any thin client and have access to their own desktop and applications
- Cost effective
- Complete confidentiality of data
- Ideal for remote working
- Easy to manage both on site and remote devices
- Easy to upgrade features via management software
- Easy to deploy

Government

Benefits: Highly secure; easy to manage large numbers of these; virus free; easy to deploy.

- Highly cost effective
- Highly secure
- Easy to deploy both on site and remotely
- Low cost to purchase and to maintain
- Easy to manage vast quantities of devices centrally

Finance

Benefits: Fast; multiple screen possibility; low down time; virus free; highly secure; easy to manage multiple units across organisations.

- Security and compliance
- Easy maintenance
- Reliable and quick to swap out
- Ideal for home working
- Easy to add new features
- Low heat, power consumption and noise levels

Retail

Benefits: Quick to boot up; virus free; easy to deploy remotely and manage remote units; easy to add peripherals (bar code scanners, printers, registers etc), plus space to store local copies of the bar code and pricing database.

- Easy to install and manage in remote locations
- Easy to attach POS peripherals
- Ability to store barcode and pricing database locally, in case of network outage
- No local data – all transactions recorded centrally
- Updates to all remote terminals easy with remote management software

Thin Client Monitor Range

SM710NT, SM711XT, SM720XT, SM920XT

“Vibrant SyncMaster™ LCD displays with built-in thin client functionality. The ultimate small footprint network computers.”

SM710NT
SM711XT
SM720XT
SM920XT

Single Unit Thin Client LCD Monitors

Samsung's SyncMaster™ thin client monitors provide an ideal solution for server-based computing. With complete thin client functionality built-in, they help businesses save costs and reduce energy consumption. A single all-in-one design reduces maintenance and installation costs and offers outstanding space efficiency .

Features

An Ideal Thin Client

Microsoft Windows CE is embedded on the SyncMaster™ 710NT and Windows XP is embedded on 711XT/720XT/920XT. This guarantees full compatibility with Microsoft Windows Server by supporting RDP (Remote Desktop Protocol), making the monitors perfect streamlined thin client solutions. Each Samsung thin client also supports the ICA protocol and enables connection to Citrix environments.

Single Unit, Compact Design

Everything is in a single package - thin client CPU and network module, as well as monitor speakers and adaptor - for maximum space efficiency.

Flexible Functionality

Four USB ports (2 on the side, 2 in the rear) are provided for connection with various peripherals. An embedded browser enables you to use simple Internet functions even without connecting to the server and to open files saved on storage devices connected via the USB ports. In addition, the monitors can be connected to other monitors via the signal output function, offering a dual monitor capability.

Best Quality LCD Monitor

The name says it all. The SyncMaster™ 710NT/711XT/720XT/920XT boast everything Samsung's SyncMaster monitors are famous for - clear, vivid images and a variety of additional functions for market-leading LCD quality.



Thin Client Monitor Range

SM710NT, SM711XT, SM720XT, SM920XT



SM710NT Specifications

- 17" LCD with Built-in Thin Client Module
- Resolution 1280 x 1024
- Win CE Platform
- 333MHz CPU
- MS RDP, Citrix ICA
- 128MB DDR, 32MB FDM
- Fast Ethernet LAN (100Mbps)
- Built-in Speaker (1Wx2, Headphone Out/Line in)
- Client Management Program



SM720XT Specifications

- 17" LCD with Built-in Thin Client Module
- Resolution 1280 x 1024
- Win XPe Platform
- 1GHz CPU
- MS RDP, Citrix ICA
- 256MB DDR, 1GB FDM
- Gigabit Ethernet LAN (1Gbps)
- Built-in Speaker (1Wx2, Headphone Out/Line in)
- Client Management Program



SM711XT Specifications

- 17" LCD with Built-in Thin Client Module
- Resolution 1280 x 1024
- Win XPe Platform
- 500MHz CPU
- MS RDP, Citrix ICA
- 256MB DDR, 1GB FDM
- Fast Ethernet LAN (100Mbps)
- Built-in Speaker (1Wx2, Headphone Out/Line in)
- Client Management Program



SM920XT Specifications

- 19" LCD with Built-in Thin Client Module
- Resolution 1280 x 1024
- Win XPe Platform
- 1GHz CPU
- MS RDP, Citrix ICA
- 256MB DDR, 1GB FDM
- Gigabit Ethernet LAN (1Gbps)
- Built-in Speaker (1Wx2, Headphone Out/Line in)
- Client Management Program

Thin Client Monitor Range

SM220TN

"The SM220TN is the ultimate Thin Client Monitor for the twenty-first century business, combining stunning design with the latest interactive communication features."



SM220TN

Samsung's Premium Thin Client Monitor

With a built-in webcam, stereo speaker and microphone, the SM220TN provides everything you need for unified communications including VoIP, instant messaging, audio and video conferencing. The 22-inch screen size is ideal for Microsoft Vista™ and other widescreen applications, making this the perfect thin client monitor for forward-looking businesses.

Specifications

- 22" wide LCD with Built-in Thin Client Module
- Resolution 1680 x 1050
- Win XPe Platform
- 256MB DDR, 1GB FDM
- MS RDP, Citrix ICA
- Built-in Web Cam, MIC & Speaker (2x1.5W)
- TCP/IP with DNS/DHCP (100Mbps)
- Office/Media File Sharing
- VGA In
- SIP, H.263, G.711

Features

An integrated webcam, speaker and microphone make the SM220TN the ultimate solution for the next wave of business communications including video conferencing, VoIP and Instant Messaging.

A convenient all-in-one solution that's easy to install, maintain and support, with no need for additional peripherals. An ideal solution for call centres, internet cafés and school IT labs to name a few.

With Microsoft OCS and Live Messenger certification, the SM220TN enables businesses to take advantage of the time and cost-saving benefits of Microsoft unified communications, without the risk of system errors.

The 22-inch wide screen is the optimum size for Windows Vista™. It is also designed to accommodate web content, DVD, games and other widescreen applications in line with evolving wide aspect technologies.

A stunning design with touch-sensitive buttons, high gloss black finish and invisible speakers.



Model shown SM710NT

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The public sector spends £1bn a year on PCs and has for some time questioned the security implications of the technology. As a result the government plans to move to thin client computers to help tackle security issues. A move to a thin client architecture will have major implications – Whitehall alone uses more than 250,000 PCs and there are an estimated five million across the whole public sector.

John Suffolk, Whitehall Chief Information Officer (CIO)

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Avnet - the Thin Client Specialist

Introducing Avnet

Avnet is one of the largest specialist IT distributors in the World. They use their experience and expertise to ensure their reseller partners have all the information they need to sell IT technology effectively to you, the Corporate End Users. In the UK, Avnet is one of the largest and most experienced distributor of server based computing solutions. Their years of experience in this marketplace allows them to work with both reseller partners and their end user customers to provide help and advise on all topics. They sell thin client hardware and application delivery software solutions, including remote access software; application streaming and virtual desktop. They offer services such as pre-configuration; installation; asset tagging; bespoke device re- imaging; help with WEEE recycling of old kit and disposal of packaging, amongst many others.



Why Thin Client?

The Personal Computer has ruled the roost for a considerable number of years and as a basic computing tool has served its purpose well. However, over the years, the true costs of employing a computing device which is open to abuse from both internal and external influences have become apparent. A thin client at its simplest is a device which has no hard disk drive or fan, no huge operating system, no method of storing data. It connects to a central computer via a network and allows key presses and mouse clicks to be sent to the computer and allows screen updates to be transmitted back to the monitor. All computing takes place in a server running Microsoft's Terminal Server. As far as a user is concerned, they are using a PC, they see the same response time, the same applications, the same flexibility. But, the application is running on a remote server, no data is travelling between the client and the server. What this gives any organisation is a computing system that is secure from virus attack, and hijacking of data; allows multiple devices both on and off site to be managed from a remote location; does not need updating that often (but if it does, can be done via the management tool); reduces network bandwidth costs; allows working from home to be as secure as working on site; the low power consumption means a vast reduction in consumed power and heat generation; if a unit goes wrong it is simply swapped out – no lengthy re-imaging tasks required. The choice is simple.

Specifications



		SM710NT	SM711XT	SM720XT	SM920XT	SM220TN
Processor Speed		333MHz	500MHz	500MHz	500MHz	500MHz
Operating System		Microsoft Windows CE	Microsoft Windows XPe	Microsoft Windows XPe	Microsoft Windows XPe	Microsoft Windows XPe
Memory		128MB DDR 32MB FDM	256MB DDR 1GB FDM	256MB DDR 1GB FDM	256MB DDR 1GB FDM	256MB DDR 1GB FDM
Network Speed		100Mbps	100Mbps	1Gbps	1Gbps	100Mbps
Panel	Viewable area	17"	17"	17"	19"	22"
	Pixel Pitch(mm)	0.264	0.264	0.264	0.294	0.282
	Brightness(cd/m²)(typ.)	300 cd/m²	300 cd/m²	300 cd/m²	300 cd/m²	300cd/m²
	Contrast Ratio(typ.)	600:1	600:1	600:1	1,000:1	700:1
	Viewing Angle(H/V)	160°/160° (CR>5)	160°/160° (CR>5)	160°/160° (CR>5)	160°/160° (CR>5)	160°/160° (CR>5)
	Response Time(ms)(typ.)	8	8	8	5	8
Frequency	Horizontal Frequency(kHz)	30~81	30~81	30~81	30~81	170°/160°
	Vertical Frequency(Hz)	56~75	56~75	56~75	56~75	56~75
Maximum Resolution		1280x1024	1280x1024	1280x1024	1280x1024	1680x1050
Color Supported		16.2 Mil.	16.2 Mil.	16.2 Mil.	16.7 Mil.	16.7 Mil.
Signal Input	Input Video Signal	Analog RGB	Analog RGB	Analog RGB	Analog RGB	Analog RGB
	Sync. Type	Separate H/V, Composite	Separate H/V, Composite	Separate H/V, Composite	Separate H/V, Composite	Separate H/V, Composite
	Input Connectors	15pin D-sub	15pin D-sub	15pin D-sub	15pin D-sub	15pin D-sub
Plug & Play		DDC 2B	DDC 2B	DDC 2B	DDC 2B	DDC 2B
USB powered hub option		0	0	0	0	0
Mac compatibility		0	0	0	0	0
Power	On Mode	40 Watts (typ.)	70 Watts (typ.)	70 Watts (typ.)	58Watts (typ.)	50Watts (typ.)
	DPMS Mode	< 2 Watt	< 2 Watt	< 2 Watt	< 4 Watt	< 2 Watt
	Type	Built-in	Built-in	Built-in	Built-in	Built-in
Multimedia Speakers		1W x 2	1W x 2	1W x 2	1W x 2	1W x 2
Wall-Mount		VESA 100mm	VESA 100mm	VESA 100mm	VESA 100mm	VESA 100mm
TCO		TCO'99	TCO'99	TCO'99	TCO'99	TCO'99
Cabinet Color		Silver/Black	Silver/Black	Silver/Black, Black/Black	Silver/Black, Black/Black	Black/Black
Other include accessories		-	-	-	-	-
Dimension	Set(W*H*D)(mm) (with stand)	370.0x404.0x200.0	370.0x404.0x200.0	370.0x404.0x200.0	416.6x420.9x200.0	520.0x452.0x202.0
	Set(W*H*D)(mm) (w/o stand)	370.0x342.3x60.3	370.0x342.3x69.0	370.0x342.3x69.0	416.6x375.2x74.7	520.0x399.0x68.5
	Packing(W*H*D)(mm)	508x431x235	470x445x235	470x445 x235	490x485x236	612.0x525.0x246.0
Weight	Set(kg)	6.2	6.65	6.65	6.9	7.9
	Packing(kg)	8.1	8.5	8.5	8.6	10.4
Stand	Function	Height Adjustable Stand	Height Adjustable Stand	Height Adjustable Stand	Height Adjustable Stand	Simple Stand
	Type	Swivel / Height Adjustable / Pivot	Swivel / Height Adjustable / Pivot	Swivel / Height Adjustable / Pivot	Swivel / Height Adjustable / Pivot	Tilt Only
Warranty		3 Years on site (NBD)	3 Years on site (NBD)	3 Years on site (NBD)	3 Years on site (NBD)	3 Years on site (NBD)

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In line with Samsung's commitment to continuous improvement this guide is subject to change without notice. E&OE.

