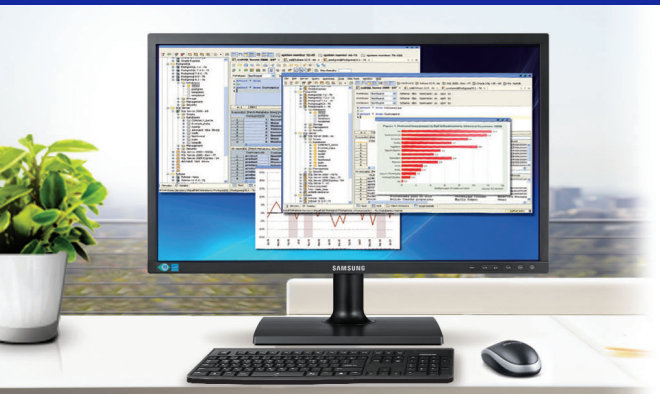
Samsung TC191W and TC241W Cloud Displays

All-in-One thin client displays for higher performance and expandability



Highlights

- Contain costs through hardware and power consumption reductions
- Maintain data protection and convenient access to customized settings through a virtual desktop infrastructure (VDI)
- Optimize space with a computing station of just 0.05 square meters (82 square inches)
- Improve connectivity and productivity with multiple ports and ergonomic features

Upgrade to more convenient, cost-effective network computing

In the current business climate, companies that want to upgrade their computing resources face rising costs. Yet new regulations and threats make it necessary to increase security. Companies also need to provide a comfortable work environment to attract better employees.

Companies can address these computing challenges with Samsung TC191W and TC241W Cloud Displays. These cloud displays typically cost less to purchase, support and power than conventional PCs and they support VDI. VDI, which deploy software on a server rather than at individual workstations, can be easier and more cost-effective to manage. With data stored remotely, critical company information remains more secure, providing compliance with many data protection regulations. Design efficiencies contribute to tidier, more comfortable workstations.

TC191W and TC241W Cloud Displays are All-in-One thin client displays that enable users to access data from a networked server. These optimized devices include AMD chipset, SSD and RAM for full PC-like functionality.

Limit computing expenses with a cost-saving VDI

TC191W and TC241W Cloud Displays and VDI offer several cost-saving features. Most maintenance and support tasks can be performed centrally using Samsung MagicRMS 2.0 software. IT support personnel need not visit each PC individually, so IT support costs are typically reduced. Similarly, software patches and upgrades can be made simultaneously to all cloud displays. Because some peripherals, such as speakers, are built in, these items do not need to be purchased separately. Finally, Samsung testing shows the eco-friendly design uses up to 40 percent less electricity to help reduce energy costs.

Protect valuable information and provide access to data with centralized data storage

TC191W and TC241W Cloud Displays help reduce potential security and data loss risks with more secure data storage and streamlined disaster recovery. With data centralized in a managed, protected VDI environment, businesses can improve defenses against intellectual property loss and malware.

Enhanced connectivity and ergonomic features for greater productivity

This arrangement enhances regulatory compliance and privacy. To further protect data, businesses can set up permissions according to user type, by combining legacy and thin client workstations, and by applying corporate policies. User types include business worker, knowledge worker and contractor.

In addition to greater security, the VDI environ-ment allows employees to consistently access programs, data and settings each time they log on to the system. TC191W and TC241W Cloud Displays enable workers to be productive from virtually any network node. Connecting to the same environment each time they log on, workers can more easily access data, applications and communication tools.

Decrease clutter with space-efficient cloud displays

TC191W and TC241W Cloud Displays are elegant All-in-One displays designed for easier deployment with fewer cables and simplified assembly. Users can more easily connect to various devices and peripherals with convenient DVI-I out, serial port, LAN, USB 2.0, D-sub in and sound jack ports. Only one power cable and no video connection cables are needed for basic operation.

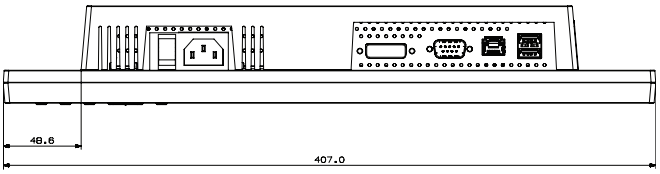


Figure 1. TC191W bottom view

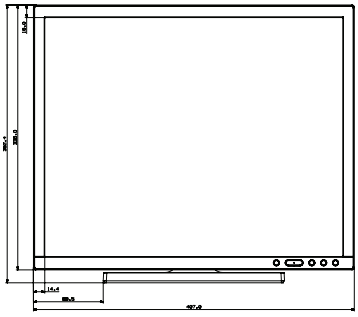


Figure 2. TC191W front view

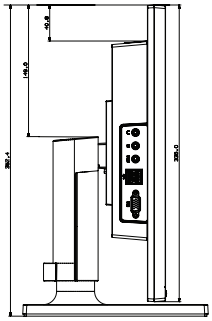


Figure 3. TC191W side view

Customize each workstation for improved productivity and comfort

TC191W and TC241W Cloud Displays integrate a variety of ergonomic features to enhance working conditions and promote comfortable use over long periods. The Height Adjustable Stand (HAS) increases the monitor's height range by up to 100 mm (3.94 in.) in the TC191W and up to 130 mm (5.12 in.) in the TC241W. The pivot, tilt and swivel settings can be adapted to suit each user's needs.

Manage devices remotely with MagicRMS 2.0 software

MagicRMS 2.0 software provides remote management for Samsung thin-client products, including the TX-WN platform. The application is based on the Microsoft® .NET

Framework, has a Microsoft Windows user interface (UI) and supports the Microsoft SQL Server® database platform. MagicRMS 2.0 simplifies device management with device control and helps avoid business loss with prompt error detecting.

With MagicRMS 2.0, IT staff can update firmware, send files, view device details and collect asset information from a centrally located console. Additional information that can be gathered includes import and export profiles, report statuses and events, and hardware and software application versions.

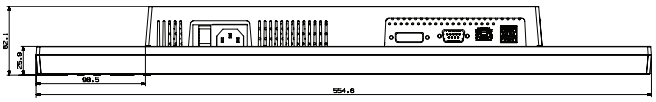


Figure 4. TC241W bottom view

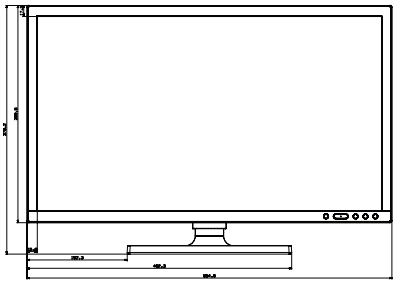


Figure 5. TC241W front view

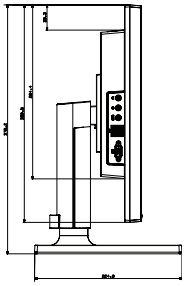


Figure 6. TC241W side view

Specifications

			TC191W	TC241W
Client	Processor/Graphics/Audio/Networking		AMD Ontario™ 1.0 GHz Dual/AMD Radeon™ HD6290/Realtek ALC262/Marvell 88E8055 Gigabit LAN	
	Memory (socket)/Storage/Ethernet/Fan or fanless		DDR3 2 GB (WES7)/SSD 8 GB/Gigabit Ethernet/Fanless	
Software	Supported software		(OS) Microsoft® Windows® Embedded Standard 7 (WES 7, 32 bit)	
	Remote management		MagicRMS 2.0	
Panel	Size		482.6 mm (19 in.)	599.44 mm (23.6 in.)
	Viewable size		482.6 mm (19 in.)	599.44 mm (23.6 in.)
	Panel type		a-Si TFT active matrix	
	Aspect ratio		5:4	16:9
	Pixel pitch (H x V)		0.29 mm x 0.29 mm (0.01 in. x 0.01 in.)	0.27 x 0.27 mm (0.01 in. x 0.01 in.)
	Brightness (typ)		250 cd per sq. m	300 cd per sq. m
	Contrast ratio (typ)		1,000:1	
	Viewing angle (H x V)		170/160 deg (CR ≥ 10)	170/160 deg (CR ≥ 10)/178/170 deg (CR ≥ 5)
	Response time		5 ms	5 ms (white to white)
Frequency	Frequency	Horizontal	31 - 80 kHz	
		Vertical	56 - 75 Hz	
	Maximum resolution (H x V) (dual screen)		1,280 x 1,024 (1,920 x 1,200)	1,920 x 1,080 (1,920 x 1,200)
	Bandwidth		135 MHz	148.5 MHz
	Colors supported		16.7 million	
Signal	Sync type		(1) Separate H/V; (2) Sync on green	
	Input and output		D-sub in, DVI-I out, serial port; USB (2.0 x 4 ea) LAN (RJ45, Giga); Headphone-out port, audio in, MIC in	
Power	Power-on	Maximum	43 W	49 W
		Typical	27 W	32 W
	Stand-by		Less than 1.3 W	
Cabinet color	Front and back		Black	
Accessory (supplied)	Included in package		(1) User manual; (2) Power cord; (3) Quick Setup Guide; (4) Warranty card	
Accessory (optional)	Speaker		1 W x 2 (stereo)	
	Wall mount		VESA 100 x 100	
Dimension	Set, with stand (W x H x D)		407.0 mm x 352.9 mm x 210.0 mm (16.02 in. x 13.89 in. x 8.27 in.)	554.6 mm x 380.3 mm x 224.0 mm (21.83 in. x 14.97 in. x 8.82 in.)
	Set, without stand (W x H x D)		407.0 mm x 336.0 mm x 60.6 mm (12.09 in. x 13.23 in. x 2.39 in.)	554.6 mm x 330.5 mm x 61.2 mm (21.83 in. x 14.97 in. x 2.41 in.)
	Packaged (W x H x D)		514.0 mm x 407.0 mm x 195.0 mm (20.24 in. x 16.02 in. x 7.68 in.)	626.0 mm x 400.0 mm x 195.0 mm (24.65 in. x 15.75 in. x 7.68 in.)
Weight	Net/Gross		5.0 kg (11.02 lb)/6.1 kg (13.45 lb)	6.1 kg (13.45 lb)/7.6 kg (16.76 lb)
Stand	Type	Swivel	-45° - 45°	
		Pivot	0° - 90°	
		Tilt	-2° - 25°	
		Height adjustable	100 mm (3.94 in.)	130 mm (5.12 in.)

About Samsung Electronics Co., Ltd.

Samsung Electronics Co., Ltd. is a global leader in semiconductor, telecommunication, digital media and digital convergence technologies with 2011 consolidated sales of US$143.1 billion. Employing approximately 206,000 people in 197 offices across 72 countries, the company operates two separate organizations to coordinate its nine independent business units: Digital Media & Communications, comprising Visual Display, Mobile Communications, Telecommunication Systems, Digital Appliances, IT Solutions, and Digital Imaging; and Device Solutions, consisting of Memory, System LSI and LED. Recognized for its industry-leading performance across a range of economic, environmental and social criteria, Samsung Electronics was named the world's most sustainable technology company in the 2011 Dow Jones Sustainability Index. For more information, please visit www.samsung.com.

For more information

For more information about Samsung TC191W and TC241W Cloud Displays, visit www.samsunglfd.com.

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