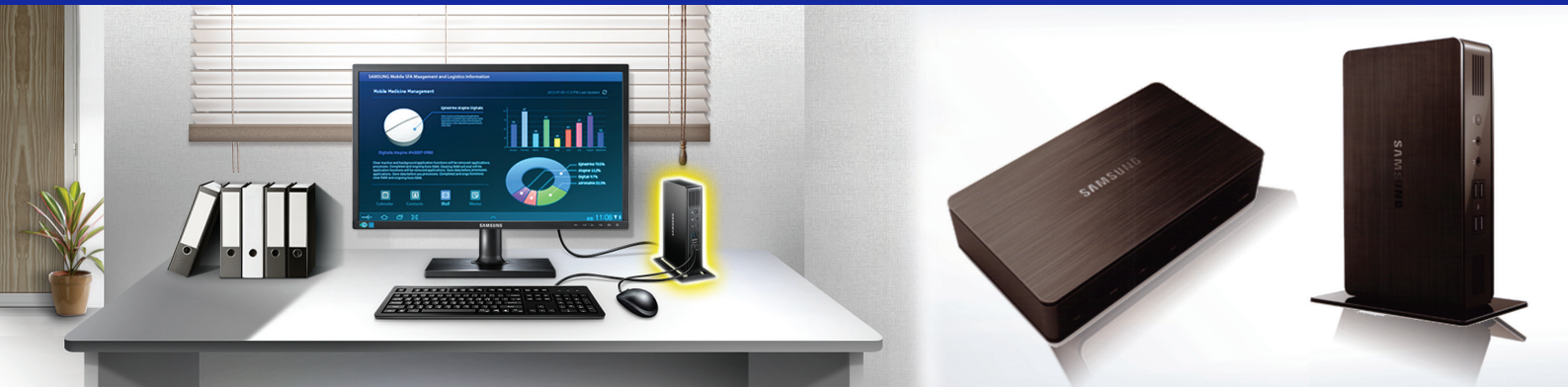# Samsung Thin Client TX-WN

Powerful, scalable, multimedia access to virtual desktops using an affordable, eco-friendly platform

Highlights

- Lower IT expenditures by creating virtual desktops that run applications from a central server
- Decrease threats with more secure data storage and remotely controlled backups
- Reduce workspace clutter by replacing PCs with slim, sleek Samsung Thin Client TX-WN technology
- Improve hardware and software management with the built-in Samsung MagicRMS 2.0 application

Create virtual desktops more quickly using simplified cloud access

As businesses, schools and other organizations move their data to the cloud, managers are seeking ways to leverage the promise of cloud computing. Replacing bulky individual PCs with virtual desktops offers many cost and management advantages, such as centralized application management and a reduced need for IT support. Samsung testing revealed significantly lower power costs as well. However, creating a virtual desktop infrastructure (VDI) presents challenges.

Samsung Thin Client TX-WN offers a manageable, cost-effective path to creating high-performance, user-friendly VDI solutions. IT personnel can provide support and manage applications, backups and security remotely. This capability reduces the need to visit individual workstations that have a range of operating systems and software.

To access the virtual desktop, the user needs only an existing monitor and the compact Thin Client TX-WN. Less equipment helps clear the physical desktop of cumbersome computers and speakers. Users can access the software, settings and data they need on a server. They can focus on assigned tasks rather than on updating software and backing up data.

Thin Client TX-WN features AMD 1.0 GHz dual CPU and SSD. It offers Wi-Fi access, built-in stereo speakers for playing video clips and music and multiple ports to connect to a LAN and most peripherals. Microsoft® Windows® Embedded standard operating system adds to the Thin Client TX-WN platform's versatility.

MagicRMS 2.0 software, included with Thin Client TX-WN, provides remote management of software and hardware as well as improved asset tracking. The scalable application can manage more than 1,000 devices.

Reduce costs and management time with a more efficient VDI solution

Connecting Thin Client TX-WN to existing monitors helps create a VDI solution with a lower initial investment, reducing the total cost of ownership (TCO). With its AMD 1.0 GHz dual-core processor, Thin Client TX-WN serves as an optimized PC, limiting the need to purchase individual operating systems or applications. Upgrading software takes less time because upgrades are performed from a central location.

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Creating a more efficient workplace with a thin-client solution

VDI implementation greatly reduces the need for hardware and software maintenance support, giving IT professionals more time to focus on strategic goals. Virtual desktops also help users spend more time on their assigned duties and less time correcting technical issues.

Centralizing computing helps automate management tasks such as imaging, backups, virus protection and inventory management.

Decrease threats with more secure data storage and scheduled backups

Moving sensitive data from individual PCs to centralized servers reduces opportunities for unauthorized access. It also narrows the chances of viruses and malware spreading from one user to others.

Using VDI technology, IT personnel can more easily follow standard best practices and meet regulatory requirements for data storage. VDI solutions also make it easier to perform regular backups, install security patches, detect potential problems and speed disaster recovery from one central location.

Clear desktop clutter with a more compact and versatile device

Thin Client TX-WN has a sleek, slim design and takes up much less space than typical desktop PCs. The horizontal model, for example, is 210 mm (8.3 in.) wide, 54.8 mm (2.2 in.) high and 122 mm (4.8 in.) deep. A vertical model with a stand is also available. The TX-WN weighs just 0.8 kg (1.8 lb).

In addition to occupying less space, the fanless device uses less power than most PCs, which helps reduce electricity expenses. The versatile TX-WN also has stereo speakers and offers multiple ports for connecting various peripherals.

Manage devices remotely with MagicRMS 2.0 software

MagicRMS 2.0 software provides remote management for Samsung thin-client products, including the TX-WN. 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.
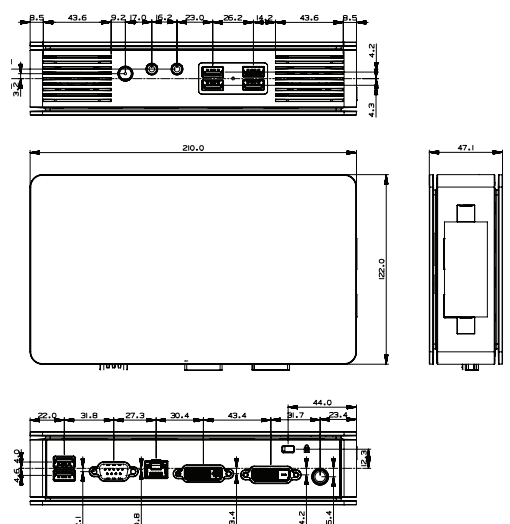

Figure 1. Thin Client TX-WN connectivity & dimension

Features and benefits

Features	Benefits
VDI	Reduces IT support costs through centralization
	Creates an environment where users can work on assigned tasks without PC software and hardware distractions
Centralized data storage and protection	Decreases threats to data security with regular monitoring and backups
Compact design	Occupies less space and uses less electricity compared with PCs
Multiple connection ports	Enables use of existing monitors and peripherals
MagicRMS 2.0 software	Provides convenient management of remote devices

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Specifications

Processor	AMD Ontario 1.0 GHz Dual
Graphics	AMD Radeon™ HD6290
Audio	Realtek™ ALC262
Networking	Marvell® 88E8055 Gigabit LAN
Memory (Socket)	DDR3 2 GB
Storage	SSD 8 GB
Ethernet	Gigabit Ethernet
Wi-Fi	802.11 a/b/g/n
Fan/fanless	Fanless
Supported software	OS: Windows Embedded Standard 7 (WES 7 32-bit)
Remote management	MagicRMS 2.0
Maximum resolution supported (H x V) (Dual screen)	1,920 x 1,200
Signal input/output	LAN, RJ45 Gigabit; USB, 3.0 X 2EA / 2.0 X 4EA; Headphone-out port; Audio-out; MIC in; RS-232C serial; DVI-I OUT; DVI-D OUT
Power	Power-on, 36 W maximum, 12 W typical; Stand-by, less than 2 W
Cabinet color, front and back	Black
Accessories included in package	User Manual, Power Cord, Quick Setup Guide, Warranty Card, Cradle, Power Adapter
Speaker	1W x 2 (Stereo)
Wall mount	VESA 100 mm (3.9 in.) x 100 mm (3.9 in.) (accessory/option)
Dimensions, set, with stand (W x H x D)	Vertical type: 91.8 mm x 217.8 mm x 166.3 mm (3.6 in. x 8.6 in. x 6.5 in.) Horizontal type: 210 mm x 54.8 mm x 122 mm (8.3 in. x 2.2 in. x 4.8 in.)
Dimensions, set, without stand (W x H x D)	210.0 mm x 47.5 mm x 122 mm (8.3 in. x 1.8 in. x 4.8 in.)
Dimensions, packaged (W x H x D)	270 mm x 258 mm x 120 mm (10.6 in. x 10.2 in. x 4.7 in.)
Cradle (W x H x D)	91.8 mm x 166.3 mm x 13 mm (3.6 in. x 6.5 in. x .5 in.)
Weight	Net 0.8 kg (1.8 lb); Gross 1.8 kg (4 lb)

Legal and additional information

About Samsung Electronics Co., Ltd.

Samsung Electronics Co., Ltd. is a global leader in semi-conductor, telecommunication, digital media and digital convergence technologies with 2011 consolidated sales of US$143.1 billion. Employing approximately 222,000 people in 205 offices across 71 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 LCD. 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 Thin Client TX-WN, visit www.samsunglfd.com.

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