Lenovo® recommends Windows.

lenovo® **FOR THOSE WHO DO.**™

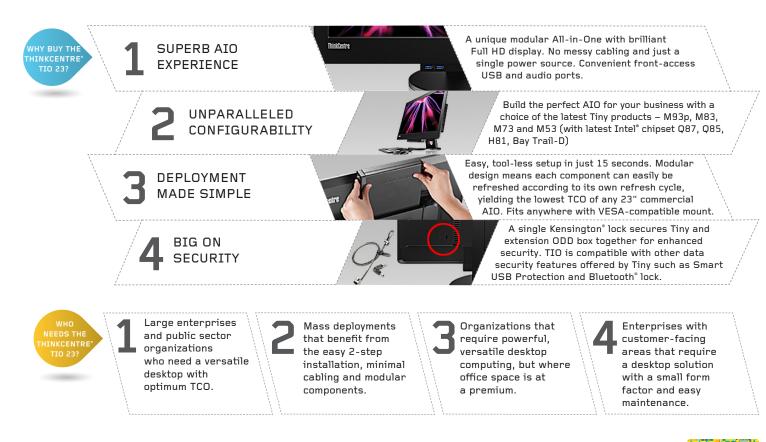## THINKCENTRE® TINY-IN-ONE 23

INTRODUCING THE MOST VERSATILE COMMERCIAL AIO YET,

POWERED BY THINKCENTRE® TINY.

ThinkCentre® Tiny-in-One (TIO) 23 offers a full AIO experience with clean cabling and effortless setup. Compatible with all current generation ThinkCentre® Tiny products, TIO also delivers unparalleled configurability. Tiny is simply slotted into the back of the monitor which means CPU and monitor can be maintained and upgraded individually — no need to replace or repair the entire system. Perfect for large organizations and any space-constrained environment.

WHY BUY THE THINKCENTRE® TIO 23?

1 SUPERB AIO EXPERIENCE

A unique modular All-in-One with brilliant Full HD display. No messy cabling and just a single power source. Convenient front-access USB and audio ports.

2 UNPARALLELED CONFIGURABILITY

Build the perfect AIO for your business with a choice of the latest Tiny products — M93p, M83, M73 and M53 (with latest Intel® chipset Q87, Q85, H81, Bay Trail-D)

3 DEPLOYMENT MADE SIMPLE

Easy, tool-less setup in just 15 seconds. Modular design means each component can easily be refreshed according to its own refresh cycle, yielding the lowest TCO of any 23" commercial AIO. Fits anywhere with VESA-compatible mount.

4 BIG ON SECURITY

A single Kensington® lock secures Tiny and extension ODD box together for enhanced security. TIO is compatible with other data security features offered by Tiny such as Smart USB Protection and Bluetooth® lock.

WHO NEEDS THE THINKCENTRE® TIO 23?

1 Large enterprises and public sector organizations who need a versatile desktop with optimum TCO.

2 Mass deployments that benefit from the easy 2-step installation, minimal cabling and modular components.

3 Organizations that require powerful, versatile desktop computing, but where office space is at a premium.

4 Enterprises with customer-facing areas that require a desktop solution with a small form factor and easy maintenance.

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ENERGY STAR

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SPECIFICATIONS

PERFORMANCE

Brightness (typical)
250 cd/m²

Contrast Ratio (typical)
1000:1

Viewing Angle
170º (H) 160º (V)

Response Time (typical)
5 ms

Panel Type (TN, IPS)
TN

Color Gamut NTSC (CIE1931)
72%

Numbers of Color
16.7M

Processor LUT
8-bit / 6-bit

DESIGN

Display
23" Wide LED LCD (1920 x 1080)

Panel Size
23" (1920 x 1080)

Viewable Area
23" (584.2 mm)

Screen Dimensions (W x H)
20.04" x 11.27" (509.2 mm x 286.4 mm)

Aspect Ratio
16:9

Tilt Angle (front/back)
-5º / 25º

Swivel Angle (left/right)
+/-45º

Lift
110 mm

VESA Mount
Yes (100 mm)

Kensington® Lock Slot
Yes

ODD
Optional

CONNECTIVITY

Ports and Slots
2 x USB 3.0, 2 x USB 2.0, 1 x mini USB 2.0 port for accessory

Audio Out
Yes (3.5 mm)

Input Selection
Exit / Left–Right (brightness) / Menu / Power

ACCESSORIES

Lenovo® P950 Headset
888011246

ThinkPad® USB 3.0 Portable Secure Hard Drive
0A65619, 0A65616, 0A65621

Lenovo® Universal AIO Stand
0B47385

ThinkCentre® Extend Arm
57Y4352

ThinkPad® Compact Bluetooth® Keyboard with Trackpoint & ThinkPad® Precision Wireless Mouse
0B47189, 0B47163 (Black)

Kensington® MicroSaver Security Cable Lock from Lenovo®
73P2582

LENOVO SERVICES

Lenovo® offers a comprehensive portfolio of services to support and protect your ThinkCentre® investment. Focus on your customers and business, not your IT.

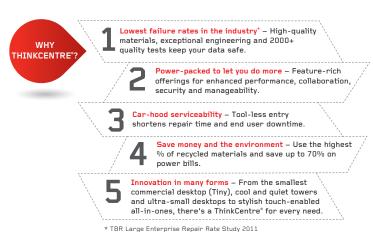**PRIORITY TECHNICAL SUPPORT***
Makes your priority, our priority.
24x7 priority call routing to advanced-level technicians, electronic incident tracking, and rapid response and resolution.

WARRANTY UPGRADES – ONSITE AND NEXT BUSINESS DAY
Maximizes PC uptime and productivity by providing convenient, fast repair service the next business day.

WARRANTY EXTENSIONS (1-TO-4 YEARS TOTAL DURATION)
This fixed-term, fixed-cost service helps accurately budget for PC expenses, protect your valuable investment and potentially lower the cost of ownership over time.

PART NUMBER XXXXX
PRICE: XXX

* Not available in all regions

WHY THINKCENTRE®?

1 **Lowest failure rates in the industry*** – High-quality materials, exceptional engineering and 2000+ quality tests keep your data safe.

2 **Power-packed to let you do more** – Feature-rich offerings for enhanced performance, collaboration, security and manageability.

3 **Car-hood serviceability** – Tool-less entry shortens repair time and end user downtime.

4 **Save money and the environment** – Use the highest % of recycled materials and save up to 70% on power bills.

5 **Innovation in many forms** – From the smallest commercial desktop (Tiny), cool and quiet towers and ultra-small desktops to stylish touch-enabled all-in-ones, there's a ThinkCentre® for every need.

* TBR Large Enterprise Repair Rate Study 2011

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With impressive configurability, TIO is compatible with all current generation Tiny products meaning you can build the perfect AIO for your business.

Model Name	M93p Tiny	M83 Tiny	M73 Tiny	M53 Tiny
CPU	Intel® Core™ i7 / i5 / i3 (HSW 35 W) Intel® Pentium® LV (HSW 35 W) Intel® Celeron® LV (HSW 35 W)	Intel® Core™ i7 / i5 / i3 (HSW 35 W) Intel® Pentium® LV (HSW 35 W) Intel® Celeron® LV (HSW 35 W)	Intel® Core™ i7 / i5 / i3 (HSW 35 W) Intel® Pentium® LV (HSW 35 W) Intel® Celeron® LV (HSW 35 W)	Intel® Pentium® (Bay Trail-D 10 W) Intel® Celeron® (Bay Trail-D 10 W)
OS Support	Windows 8 Pro Windows 7 Professional (available through downgrade rights from Windows 8.1 Pro)	Windows 8 Pro Windows 7 Professional (available through downgrade rights from Windows 8.1 Pro)	Windows 8 Pro Windows 7 Professional (available through downgrade rights from Windows 8.1 Pro)	Windows 8 Pro Windows 7 Professional (available through downgrade rights from Windows 8.1 Pro)
Memory	2 SO-DIMM Max. 16GB Up To 1600 MHz	2 SO-DIMM Max. 16GB Up To 1600 MHz	2 SO-DIMM Max. 16GB Up To 1600 MHz	1 SO-DIMM Max. 8GB Up To 1600 MHz
Graphics	Intel® Integrated	Intel® Integrated	Intel® Integrated	Intel® Integrated
Storage	2.5" 5400 RPM HDD (320/500/1TB) SSD (8/128/180) 2.5" SSHD 500GB/8GB	2.5" 5400 RPM HDD (320/500/1TB) SSD (64/128/180/240/256) 2.5" SSHD 500GB/8GB	2.5" 5400 RPM HDD (320/500/1TB) SSD (64/128/180/240/256) DOM (8G) 2.5" SSHD 500GB/8GB	2.5" 5400 RPM HDD (320/500/1TB) SSD (64/128/180/240/256) DOM (8G) 2.5" SSHD 500GB/8GB
Ports	Default 5 USB 3.0, 2 front, 3 rear Additional one USB 2 from punch out[1] 1 microphone, 1 audio	Default 4 USB 3.0, 2 front, 2 rear, Additional one USB 2 from punch out[1] 1 microphone, 1 audio	Default 2 USB 3.0–front Additional one USB 2 from punch out[1] 1 microphone, 1 audio	Default 1 USB 3.0–front Additional one USB 2 from punch out[1] 1 microphone, 1 audio
Optical Device	Optional slim ODD box	Optional slim ODD box	Optional slim ODD box	Optional slim ODD box
Security	TPM / Asset ID, Kensington® lock	TPM/Asset ID, Kensington® lock	Asset ID, Kensington® lock	Asset ID, Kensington® lock
Manageability	vPro AMT 9	–	–	–
Multi Monitor	3 independent monitors[1] 4 monitors via mosaic mode[2]	3 independent monitors	2 independent monitors	2 independent monitors
HDD APS	Yes	Yes	N/A	N/A
Fast Charging USB	Yes	Yes	Yes	Yes
USB KB Power On	Yes	Yes	Yes	Yes

1 Intel 4th generation CPU and Optional 2nd DP/HDMI connector are required.
2 Both two optional DP to 2 DP dongle and Intel® Core™ i CPU are required.

FAQs

Does TIO work as a standard Monitor?	Yes. TIO has USB-in and DP-in for other PC/notebook brands.
Is TIO compatible with other PC brands?	Yes. TIO has USB-in and DP-in for other PC/notebook brands.
Do I need two power adapters for TIO and Tiny?	No. A single power cord will power both TIO and Tiny.
I already have a Tiny – is it compatible with TIO?	Yes. TIO is compatible with the current Tiny range: M93/p Tiny, M83 Tiny, M73 Tiny and M53 Tiny.

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