

# ThinkCentre Tiny-in-One (TIO) 23

Product Specifications Reference (PSREF)

Model	10DQPAR6US																	
Form factor	Tiny-in-One, offers a full All-In-One experience when optional Tiny slots into the back of TIO 23, clean cabling and effortless setup																	
Compatible Tiny:	M93/p Tiny, M83 Tiny, M73 Tiny, or M53 Tiny * Processor, memory, storage, operating system, WLAN, Bluetooth, Keyboard, mouse, etc., depend on the Tiny installed (optional)																	
Panel	TFT-LCD, twisted nematic (TN), White LED backlight																	
Viewable image size	23.0" (584.2mm) diagonal																	
Max view area (W x H)	20.05" x 11.28" / 509.2mm x 286.4mm																	
Optimum resolution	<b>1920x1080</b>																	
Aspect ratio	16:9																	
Pixel pitch (mm)	.265mm																	
Dot/Pixel per Inch	96 dpi																	
Brightness	250 nits or cd/m <sup>2</sup> (typical)																	
Contrast ratio	1000:1 (typical)																	
Pixel response time	5ms (typical)																	
Color gamut	72%																	
Anti-reflective	Anti-glare																	
Horizontal frequency	30 to 83kHz																	
Vertical frequency	50 to 75Hz																	
Viewing angle at 10:1 CR	170° (+/- 85°) horizontal, 160° (+/- 80°) vertical																	
Preset resolutions	640x350 @ 70Hz 640x480 @ 60Hz, 66Hz, 72Hz, 75Hz 720x400 @ 70Hz 800x600 @ 60Hz, 72Hz, 75Hz 1024x768 @ 60Hz, 70Hz, 75Hz 1152x864 @ 75Hz 1280x800 @ 60Hz 1280x1024 @ 60Hz, 72Hz, 75Hz 1366x768 @ 60Hz 1440x900 @ 60Hz, 75Hz 1600x1200 @ 60Hz, 70Hz, 75Hz 1680x1050 @ 60Hz 1920x1080 @ 60Hz																	
Presets / user settings	Presets: 25; user settings: 25																	
On screen display	On screen display with digital user controls (8 languages)																	
Control features	Mode-switching (TIO mode / standalone monitor mode, switches video/audio/USB input source) / Back button, Left shift button, Right shift / Brightness button, Selection button / Menu button, Power button																	
Tiny-in-One Power On	Pressing Alt + P on keyboard or pressing Power button positioned on TIO can turn on both TIO and Tiny (only some Tiny support, see compatible list)																	
USB ports	Front: two USB 3.0 (only when M93/p or M83 installed) or two USB 2.0 Side: two USB 2.0, one USB 2.0 upstream port (connect to PC), one mini USB 2.0 port for accessories (on top) * The USB ports are only available when a Tiny is installed or a PC is connected via USB upstream port																	
Monitor connectors	One DisplayPort port, version 1.2																	
3-in-1 Cable	Undetachable 3-in-1 cable (Power connector, USB, DisplayPort), only for connecting to Tiny installed (optional)																	
Audio port	one headphone / microphone combo jack (stereo, 3.5mm)																	
Security	Security keyhole for attachment of optional cable lock (Kensington® lock compatible), locks optional Tiny and ODD box with TIO 23 together, more security features offered by Tiny installed (optional)																	
Mechanical	<table border="1"> <thead> <tr> <th>Dimensions</th> <th>TIO 23 without stand</th> <th>TIO 23 with stand</th> </tr> </thead> <tbody> <tr> <td>W x D x H (inch)</td> <td>22.17 x 2.74 x 14.88</td> <td>22.17 x 9.84 x 16.15 - 20.48</td> </tr> <tr> <td>W x D x H (mm)</td> <td>563 x 69.5 x 378</td> <td>563 x 250 x 410.14 - 520.14</td> </tr> <tr> <th>Weight (approximately)</th> <th>TIO 23 with stand</th> <th>TIO 23 with Tiny, stand, and ODD box installed</th> </tr> <tr> <td>lb / kg</td> <td>15.4lb / 7kg</td> <td>18.9lb / 8.58kg</td> </tr> </tbody> </table>			Dimensions	TIO 23 without stand	TIO 23 with stand	W x D x H (inch)	22.17 x 2.74 x 14.88	22.17 x 9.84 x 16.15 - 20.48	W x D x H (mm)	563 x 69.5 x 378	563 x 250 x 410.14 - 520.14	Weight (approximately)	TIO 23 with stand	TIO 23 with Tiny, stand, and ODD box installed	lb / kg	15.4lb / 7kg	18.9lb / 8.58kg
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Mounting features	Wall or desk mounting using the extend arm or third-party accessories meeting the VESA FPMPMI® (100mm mount)																	
Adjustable stand	Tilt: 35° back, -5° forward; lift: 4.3" (110mm); swivel: +/-45°																	
Power supply	90 watts AC/DC adapter, 88% PSU, universal																	
Power consumption	22 watts typical, 45 watts maximum, <0.5 watts standby / suspend																	
Limited warranty <sup>3</sup>	<b>3-years</b> , Customer Carry-In Exchange (CCE) via Rapid Replacement, IWS (International Warranty Service <sup>3</sup> ) / service upgrades available For Lenovo service upgrade options, please go to S-TC sheet																	
VESA-compliant <sup>2</sup>	VESA DDC2B/CI, VESA DPMS-compliant																	
Ergonomics	ISO 9241-307																	
Emission standards	FCC Class B																	
Environmental	TCO (TCO Certified Edge 1.1), WEEE, RoHS, ENERGY STAR® 6.0 EPEAT™ Gold rating, ULE, TUV																	
Windows certifications	Windows 7, Windows 8, and Windows 8.1 certified																	
Ship group	TIO 23 (Monitor), detachable stand, Information flyer, Reference and driver CD, AC/DC power adapter, power cord, quickly-released screw																	
Accessories	For compatible accessories, please go to TC-AQP sheet																	

ThinkCentre Tiny-in-One 23 Compatible list			
Model	M900 Tiny, M700 Tiny, M600 Tiny, M83 Tiny, M53 Tiny	M93/p Tiny, M73 Tiny	Chromebox
Turn on TIO and Tiny together via Alt + P on USB KB	All models	All models	Not support
Turn on TIO and Tiny together via TIO Power Button	All models	TIO models	All models

See footnotes for more detailed information