

# ThinkCentre Tiny-In-One 22 Gen3 10R1PAT1++

Region  
EMEA

View Angle (H / V)  
178 / 178

Machine Type  
10R1

Stand  
Adjustable Stand

Color  
Black

Power Consumption (Typical / Maximum)  
19W / 32W

Display Size  
21.5"

Power Supply  
90W 88% Adapter

Multi-touch  
No

Warranty  
3-year

Resolution  
1920x1080

Ann Date (mm/yy)  
07/17

Aspect Ratio  
16:9

Pixel Pitch  
0.24795 mm

Dot / Pixel Per Inch  
102.4 dpi

Brightness  
250 nits

Contrast Ratio  
1000:1

Pixel Response Time  
4-14 ms

Color Gamut  
72%

## Note:

Country Code "US" is for United States, "++" is for EMEA countries (e.g. AD - Saudi, Arabia, AT - Austria, BM - Bulgaria, etc.), "xx" is for EAST countries (e.g. BM - Bulgaria, CX - Hungary, CY - Cyprus, etc.), and "\*\*\*" is for MEA countries (e.g. AD - Saudi, Arabia, ED - Egypt, EQ - Sweden, etc.). Please be aware that the EMEA/ EAST/MEA models listed above might not be available in all countries



This publication was developed for products and services offered in the United States and E.M.E.A countries. Lenovo may not offer the products, services or features discussed in this document in other countries. Lenovo may withdraw an offering at any time. Information is subject to change without notice. Consult your local representative for information on offerings available in your area. Lenovo reserves the right to change specifications or other product information without notice. Lenovo is not responsible for photographic or typographical errors. Lenovo provides this publication "as is" without warranty of any kind, either express or implied, including the implied warranties of merchantability or fitness for a particular purpose.



<http://psref.lenovo.com>

Visit psref website for the latest version of Product Specifications Reference.

© Lenovo, 2017. All rights reserved.



# ThinkCentre Tiny-in-One (TIO) 22 Gen3

Product Specifications Reference (PSREF)

Model	Non-touch model: 10R1PAR1++/10R1PAT1++; Touch model: 10R0PAR1++/10R0PAT1++			Mounting features	Wall or desk mounting using the extend arm or third-party accessories meeting the VESA FPMPI® (100mm mount)																		
Form factor	Tiny-in-One, offers a full All-In-One experience when optional Tiny slots into the back of TIO, clean cabling and effortless setup			Adjustable stand	Tilt: 30° back, -5° forward; lift: 4.3" (110mm); swivel: +/-45°; Pivot: clockwise 0° to 90°																		
Compatible Tiny:	M910 / M710 / M900 / M700 / M600 / M715 / M93/p* / M83 / M73* / M53 / Chromebox Tiny * Non-TIO models can't be turned on by pressing power button of TIO			Power supply	90 watts AC/DC adapter, 88% PSU, universal																		
Panel	TFT-LCD, In-Plane Switching technology**, White LED backlight Notes: In-Plane Switching may refer to VA, PLS, and IPS panels			Power consumption	19 watts typical, 32 watts maximum, <0.5 watts standby / suspend																		
Viewable image size	21.5" (546.1mm) diagonal			Limited warranty	3-years, Customer Carry-In or Mail-In via Rapid Replacement Service																		
Max view area (W x H)	18.74" x 10.54" / 476.1mm x 267.8mm			VESA-compliant	VESA DDC2B/CI, VESA DPMS-compliant																		
Bezel Width	Top / Side: 2mm, Bottom: 22.1mm			Ergonomics	ISO 9241-307, TUV Eye Comfort certified																		
Native resolution	1920x1080			Emission standards	FCC Class B																		
Multi-touch	Optional 10-point multi-touch, supports Wake on Touch			Environmental	TCO 7.0, TCO Edge 2.0, WEEE, RoHS, ENERGY STAR® 7.0, EPEAT™ Gold rating, ULE Gold, TUV, VOC																		
Aspect ratio	16:9			Windows certifications	Windows 7 and Windows 10 certified																		
Pixel pitch (mm)	0.24795mm			Ship group	TIO (Monitor), detachable stand, AC/DC power adapter, power cord, user's guide and driver CD, quick start and safety poster																		
Dot/Pixel per Inch	102.4 dpi			Accessories	For compatible accessories, please go to <a href="http://www.lenovoquickpick.com">http://www.lenovoquickpick.com</a>																		
Brightness	250 nits or cd/m² (typical)			<table><tr><th colspan="4">ThinkCentre Tiny-in-One 22 Gen3 Compatible list</th></tr><tr><th>Model</th><th>M910 / M710 / M900 / M700 / M600 / M715 / M83 / M53 Tiny</th><th>M93/p Tiny, M73 Tiny</th><th>Chromebox</th></tr><tr><td>Turn on TIO and Tiny together via Alt + P on USB KB</td><td>All models</td><td>All models</td><td>Not support</td></tr><tr><td>Turn on TIO and Tiny together via TIO Power Button</td><td>All models</td><td>TIO models</td><td>All models</td></tr></table>				ThinkCentre Tiny-in-One 22 Gen3 Compatible list				Model	M910 / M710 / M900 / M700 / M600 / M715 / M83 / 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
ThinkCentre Tiny-in-One 22 Gen3 Compatible list																							
Model	M910 / M710 / M900 / M700 / M600 / M715 / M83 / 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																				
Contrast ratio	1000:1 (typical)																						
Pixel response time	14ms (default), over drive to 4ms, 6ms																						
Color gamut	72%																						
Anti-reflective	Anti-glare																						
Viewing angle at 10:1 CR	178° (+/- 89°) horizontal, 178° (+/- 89°) 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	Font: Exit button, Left / Mode-switching button (TIO / monitor mode), Right / Brightness button, Enter / Menu button, Power button Bottom: Volume up button, Volume down 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)																						
Side ports (TIO)	One USB 3.1 Gen1 / USB 2.0 (when M73 or M53 installed or USB 2.0 connected via USB upstream port) Notes: The USB port is only available when a Tiny is installed or a PC is connected via USB upstream port																						
Side ports (Tiny)	Side ports offered by installed Tiny (optional)																						
Rear ports	One DisplayPort in port, one USB upstream port, one power connector																						
3-in-1 Cable	Undetachable 3-in-1 cable (Power connector, USB [supports USB 3.1 Gen1 / USB 2.0], DisplayPort), only for connecting to Tiny installed (optional)																						
Camera	720p camera with dual microphone for VOIP, LED indicator																						
Internal Speaker	2 watt x2																						
Security	Security keyhole for attachment of optional cable lock (Kensington® lock compatible), locks optional Tiny with TIO together, more security features offered by Tiny installed (optional)																						
Mechanical	<table><tr><th>Dimensions</th><th>TIO without stand</th><th>TIO with stand</th></tr><tr><td>W x D x H (inch)</td><td>19.26 x 2.85 x 13.35</td><td>19.26 x 10.76 x 14.59 - 18.93</td></tr><tr><td>W x D x H (mm)</td><td>489.3 x 72.5 x 339</td><td>489.3 x 273.3 x 370.7 - 480.7</td></tr><tr><td>Weight (Approx.)</td><td>7.01 lb / 3.19 kg</td><td>11.77 lb / 5.34 kg</td></tr></table>			Dimensions	TIO without stand	TIO with stand	W x D x H (inch)	19.26 x 2.85 x 13.35	19.26 x 10.76 x 14.59 - 18.93	W x D x H (mm)	489.3 x 72.5 x 339	489.3 x 273.3 x 370.7 - 480.7	Weight (Approx.)	7.01 lb / 3.19 kg	11.77 lb / 5.34 kg								
Dimensions	TIO without stand	TIO with stand																					
W x D x H (inch)	19.26 x 2.85 x 13.35	19.26 x 10.76 x 14.59 - 18.93																					
W x D x H (mm)	489.3 x 72.5 x 339	489.3 x 273.3 x 370.7 - 480.7																					
Weight (Approx.)	7.01 lb / 3.19 kg	11.77 lb / 5.34 kg																					

# ThinkCentre Tiny-In-One 22 Gen3

