

# ThinkCentre Tiny-In-One 22 Gen 3 10R1PAT1DK

**Product**

ThinkCentre Tiny-In-One 22 Gen3

**Machine Type**

10R1

**Region**

EMEA

**Display Size**

21.5"

**View Area**

476.1 x 267.8 mm (18.74 x 10.54 inches)

**Panel**

In-Plane Switching

**Aspect Ratio**

16:9

**Resolution**

1920x1080

**Pixel Pitch**

0.24795 x 0.24795 mm

**Dot / Pixel Per Inch**

102.4 dpi

**View Angle (H / V)**

178 / 178

**Response Time**

4 ms (Extreme mode) / 6 ms (Typical mode) / 14 ms (Off mode)

**Color Support**

16.7 Million

**Refresh Rate**

60 Hz

**Brightness**

250 nits

**Contrast Ratio**

1000:1

**Color Gamut**

72%

**Curvature**

None

**Anti-glare**

Yes

**Video Connector**

DP

**USB Port**

1x USB 3.1 Gen 1 / USB 2.0 (only available when a Tiny is installed or a PC is connected)

**Camera**

720p camera

**Microphone**

Dual microphones

**Speakers**

2x 2W, Stereo speakers

**Power Consumption (Typical / Maximum)**

19W / 32W

**Power Adapter**

90W 88% Adapter

**Stand**

Tilt, Swivel, Pivot, Height Adjust Stand

**Color**

Black

**Side Bezel Width**

2 mm

**Dimensions with Stand (HxWxD)**

489.3x273.3x370.7 mm / 19.26x10.76x14.59 inches

**Weight (Including Stand)**

5.34 kg / 11.77 lbs.

**Cables Included**

Undetachable 3-in-1 cable (Power connector, USB [supports USB 3.1 Gen1 / USB 2.0], DisplayPort)

**Environmental Certification**

Energy Star Certified, TCO 7.0, TCO Edge 2.0, EPEAT Silver, RoHS

**Ergonomic Certification**

TÜV Rheinland Low Blue Light, TÜV Rheinland Flicker Free, TÜV Rheinland Eye Comfort

**Base Warranty**

3-year

**Operating System Support**

Support Windows 7, Windows 10

**Sync Technology**

None

**Tiny Support / CPU / Platform**

Yes / None / None

**Ethernet / Bluetooth / Wireless**

None / None / None

**Touch Screen / Digitizer Pen / Battery**

None / None / None

**Display Ram / Storage / Card Slot**

None / None / None

**EAN / UPC / JAN**

0191545564420 / 191545564420 / None

**Announce Date**

2017-08-17

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PERFORMANCE

Panel

- Panel**
- In-Plane Switching (IPS)
- Display Size**
- 21.5 inches (546.1mm)
- Max View Area**
- WxH: 476.1 x 267.8 mm (18.74 x 10.54 inches)
- Native Resolution**
- 1920x1080
- Aspect Ratio**
- 16:9
- Pixel Pitch**
- 0.24795 x 0.24795 mm
- DPI**
- 102.4 dpi
- Brightness**
- 250 nits
- Contrast Ratio**
- 1000:1
- Pixel Response Time**
- 4 ms (extreme mode) / 6 ms (typical mode) / 14 ms (off mode)
- Color Gamut**
- 72% NTSC
- Viewing Angle**
- Horizontal: +/- 89°, vertical: +/- 89°
- Anti-glare**
- Anti-glare

Multi-Media

- Camera**
- 720p, with dual microphone and LED indicator
- Microphone**
- Dual array microphone
- Speakers**
- Stereo speakers, 2W x2

Power Supply

Power Supply			
Power	Type	Efficiency	Key Features
90W	Adapter	88%	-

- Power Consumption**
- 19 watts typical, 32 watts max

DESIGN

Menu

- Presets and User Settings**
- Presets: 25

- User settings: 25

On Screen Display

On screen display with digital user controls (8 languages)

Display

Touchscreen

(Optional)10-point multi-touch, supports Wake on Touch. ONLY for model 10R0PAT1 and 10R0PAR1.

Mechanical

Compatible Tiny

P330 / P320 / M920(x) / M720 / M910(x) / M710 / M900(x) / M700 / M630e / M625 / M600 / M75q / M715 / M93p / M83 / M73 / M53 / Chromebox Tiny

Bezel Width

- Top / side: 2mm
- Bottom: 22.1mm

Buttons

- Power button
- Exit button
- Menu button
- Mode-switching button
- Brightness button

Cables

Undetachable 3-in-1 cable (power connector, USB [supports USB 3.1 Gen 1 / USB 2.0], DisplayPort™)

Case Color

Black

Dimensions (WxDxH)

Models	Dimensions
Models without stand	489 x 72.5 x 339 mm (19.26 x 2.85 x 13.35 inches)
Models with full function monitor stand	489.3 x 273.3 x 370.7 mm (19.26 x 10.76 x 14.59 inches)

Weight

Models	Weight
Models without stand	3.19 kg (7.01 lbs)
Models with full function monitor stand	5.34 kg (11.77 lbs)

Mounting

Supports VESA mount 100mm

Stand

Full function monitor stand, supports -5° to +30° tilt, left & right 45° swivel, up to 150mm lift, -5° to +90° pivot

In the Box

- TIO (monitor)
- Detachable stand
- Driver CD
- Power adapter
- Power cord
- Quick start and safety poster
- User's guide

CONNECTIVITY

Ports

Rear Ports

- 1x USB upstream port
- 1x DisplayPort
- 1x power connector

## Left Ports<sup>[1]</sup>

- 1x USB 3.1 Gen 1 (on TIO)
- Side ports offered by installed Tiny (on Tiny)

### Notes:

1. The availability and version depends on the Tiny installed or the PC connected via USB upstream port

## SERVICE

### Warranty

#### Base Warranty

3-year customer carry-in or mail-in via rapid replacement service

## CERTIFICATIONS

### Green Certifications

#### Green Certifications

- EPEAT™ Silver
- ENERGY STAR® 8.0
- TCO Certified 7.0
- TCO edge 2.0
- TUV
- ULE Gold
- RoHS compliant
- VOC
- WEEE

### Other Certifications

#### Other Certifications

- FCC Class B
- ISO 9241-307
- TÜV Rheinland Eye Comfort Certification



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