TCL P8L 98P8L TV 2.49 m (98") 4K Ultra HD Smart TV Wi-Fi Black 1000 cd/m²



Brand : TCL **Product family:** P8L **Product code:** 98P8L

Product name : 98P8L



TCL P8L 98P8L. Display diagonal: 2.49 m (98"), Display resolution: 3840 x 2160 pixels, HD type: 4K Ultra HD, Display technology: QD-Mini LED, Screen shape: Flat, LED backlighting type: Mini LED. Smart TV. Motion interpolation technology: PPI (Picture Performance Index) 3800, Display brightness: 1000 cd/m², Response time: 5.7 ms, Native aspect ratio: 16:9. Digital signal format system: DVB-C, DVB-S2, DVB-T2. Wi-Fi, Ethernet LAN. Product colour: Black

Display	
Display diagonal *	2.49 m (98")
HD type *	4K Ultra HD
Display technology *	QD-Mini LED
LED backlight	✔
LED backlighting type	Mini LED
Screen shape *	Flat
Native aspect ratio *	16:9
Display brightness *	1000 cd/m²
Response time	5.7 ms
Progressive scan	✔
Motion interpolation technology *	PPI (Picture Performance Index) 3800
Native refresh rate	144 Hz
Display refresh rates supported	120 Hz, 144 Hz, 288 Hz
Dynamic contrast ratio marketing name	Mega Contrast
Viewing angle, horizontal	178°
Viewing angle, vertical	178°
Display resolution *	3840 x 2160 pixels
Display diagonal (metric)	249 cm
Colour gamut standard	DCI-P3

TV tuner	
Tuner type *	Analog & digital
Analog signal format system *	NTSC, PAL, SECAM
Digital signal format system *	DVB-C, DVB-S2, DVB-T2
Number of tuners	1 tuner(s)
Auto channel search	✔

Smart TV	
Smart TV *	✔
Internet TV *	✔
Operating system installed *	Google TV
Operating system version	12.0
Timeshift	✘
Screen mirroring	✔
Video on Demand (VOD) support	✔
Apple AirPlay 2 support	✔

Ports & interfaces	
Common interface Plus (CI+) *	✔
Common interface Plus (CI+) version	1.4
HDMI ports quantity *	4
Consumer Electronics Control (CEC)	T-link
AC (power) in	✔

Management features	
Voice control	✔
Electronic Programme Guide (EPG)	✔
Programming period	8 day(s)
Number of OSD languages	29
On Screen Display (OSD) languages	ALB, Bulgarian, Croatian, Czech, Danish, German, Dutch, English, Spanish, Estonian, Finnish, French, Greek, Hungarian, Italian, Latvian, Lithuanian, MAC, Norwegian, Polish, Portuguese, Romanian, Russian, SER, Slovak, Slovenian, Swahili, Turkish, Ukrainian
Picture-in-Picture	✔
Hotel mode	✘
Basic hotel mode	✘
ECO mode	✔
Auto power off	✔
Sleep timer	✔
On/Off timer	✔
Firmware upgradeable	✔
Works with Amazon Alexa	✔
Works with the Google Assistant	✔
Works with Samsung Bixby	✘
Works with Apple Siri	✔

Power	
Power consumption (typical) *	400 W
Power consumption (standby) *	0.5 W
Energy efficiency class (SDR) *	E
Energy efficiency class (HDR) *	G
Energy consumption (SDR) per 1000 hours *	155 kWh

Smart TV	
Hybrid Broadcast Broadband TV (HbbTV)	✔
Smart modes	Movie, Sports, Standard, Filmmaker, Game, PC
Built-in Chromecast	✔
Video apps	Amazon Prime Video, Netflix, YouTube, Apple TV, Disney+, Google TV, HBO, HBO Max, PLEX, Paramount+, Twitch, Youtube TV
Music apps	Deezer, Spotify, Tidal, YouTube Music, TuneIn
Sports apps	BBC Sports

Audio	
RMS rated power *	40 W
Audio output channels	2.1 channels
Built-in subwoofer	✔
Subwoofer RMS power	20 W
Audio decoders	Dolby Atmos, DTS Virtual:X, DTS:X
Equalizer	✔
Sound modes	Dynamic, Movie, Music, Voice, Game, Sports, Standard
Auto volume leveller	✔
Enhanced Audio Return Channel (eARC)	✔

Network	
Wi-Fi *	✔
Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac)
Bluetooth *	✔
Bluetooth version	5.4
Ethernet LAN *	✔
Wi-Fi Direct	✔
Bluetooth profiles	A2DP, HID
Browsing	✔
Web browser	✔

Design	
Product colour *	Black
Colour name	Black
VESA mounting *	✔
Panel mounting interface	600 x 500 mm
On/off switch	✔
Ambient lighting	✘
Frameless design	✔
Introduction year	2026
Stand type	Legs stand

Performance	
High Dynamic Range (HDR) technology	Dolby Vision, Dolby Vision IQ, High Dynamic Range 10 (HDR10), Hybrid Log-Gamma (HLG), High Dynamic Range 10+ (HDR10 Plus)
Game mode	✔
Teletext function	✔
Subtitles function	✔
Video formats supported	AVI, H.264, H.265, MKV, MP4, MPG, TS, VP9, WEBM, WMV
Audio formats supported	MP3, WMA
Image formats supported	BMP, HEIF, JPG, PNG
Video compression formats	H.264, H.265, MPEG2, MPEG1, MPEG4, WMV, VC1, VP8, VP9, AV1
Backlight dimming technology	Local Dimming

Power	
Energy consumption (HDR) per 1000 hours *	290 kWh
AC input voltage	220 - 240 V
AC input frequency	50 Hz
Energy saving mode	✔
Energy efficiency scale	A to G

Certificates	
Digital Living Network Alliance (DLNA) specification	DMR

Technical details	
RAM capacity	2 GB
Internal memory	64000 MB
Processor	MT9653

Battery	
Battery weight	15 g
Battery technology	Alkaline

Brand-specific features	
TCL technologies (AV/TV)	HVA Screen, 288Hz Game Accelerator, Google Cast, Onkyo Sound

Weight & dimensions	
Width (with stand)	2178 mm
Depth (with stand)	420 mm
Height (with stand)	1285 mm
Weight (with stand)	52.8 kg
Width (without stand)	2178 mm
Depth (without stand)	64 mm
Height (without stand)	1247 mm
Weight (without stand)	51.8 kg
Stand width	170.9 cm
Stand depth	42 cm

Packaging data	
Warranty card	✔
Quick start guide	✔
Package weight	73 kg
Package width	2384 mm
Package depth	215 mm
Package height	1430 mm
Package weight	73 kg

Packaging content	
TV frame included	✘
Desktop stand	✔
Mounting kit	✘
Cables included	AC
Remote control included	✔
Remote control type	RC833A
Smart Remote included	✔
Soundbar included	✘
E-manual	✔
Manual languages	ALB, Bulgarian, Croatian, Czech, Danish, German, Dutch, English, Spanish, Estonian, Finnish, French, Greek, Hungarian, Italian, Latvian, Lithuanian, MAC, Norwegian, Polish, Portuguese, Romanian, Russian, SER, Slovak, Slovenian, Swedish, Turkish, Ukrainian
Adjustable cabinet stand	✔

Performance	
Picture processing technology	TCL AiPQ Pro Processor
High Dynamic Range (HDR) supported *	✔
Processor cores	4
AMD FreeSync	✔
AMD FreeSync type	FreeSync Premium Pro
NVIDIA G-SYNC	✘
Game features	4K HFR (High Frame Rate), Auto Low Latency Mode (ALLM), Variable Refresh Rate (VRR), Game Bar 4.0
Calman Ready	✔
4K Ultra HD upscaling	✔
SmartThings app support	✘
Smartphone/tablet remote support	✔
USB recording	✘
DVD player	✘

Ports & interfaces	
HDMI version	2.1
Audio Return Channel (ARC)	✔
Mobile High-Definition Link (MHL)	✔
HDCP	✔
PC in (D-Sub) *	✘
DVI port	✘
Ethernet LAN (RJ-45) ports	1
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1
PC Audio in	✘
Digital audio optical out	1
RF ports quantity	1
RF connector type	F, IEC
Common interface (CI) *	✔

Logistics data	
Master (outer) case height	1430 mm
Master (outer) case width	2384 mm
Products per master (outer) case	1 pc(s)
Master (outer) case length	215 mm
Master (outer) case gross weight	73 kg
Products per intermodal container (20ft)	20 pc(s)
Products per intermodal container (40ft, HC)	50 pc(s)
Pallet net width	2.4 m
Pallet net length	115 cm
Pallet net height	157 cm
Pallet net weight	413.9 kg
Pallet gross width	2.4 m
Pallet gross length	115 cm
Pallet gross height	157 cm
Pallet gross weight	413.9 kg
Products per pallet	5 pc(s)

Other features	
3D	✘
Wi-Fi ready	✔
Batteries included	✔
Apple HomeKit support	✔
Processor architecture	ARM Cortex-A73
Processor frequency	1.39 GHz
Built-in camera	✘
Country of origin	Poland
Digital Living Network Alliance (DLNA) certified	✔
Google applications	Google Cast, Google Duo, Google Photos, Google Play Music, Google Play Movies, Google Play, YouTube

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