TCL C7L 85C7L TV 2.16 m (85") 4K Ultra HD Smart TV Wi-Fi Black 3000 cd/m²



Brand : TCL **Product family:** C7L **Product code:** 85C7L

Product name : 85C7L



TCL C7L 85C7L. Display diagonal: 2.16 m (85"), Display resolution: 3840 x 2160 pixels, HD type: 4K Ultra HD, Display technology: SQD-Mini LED, Screen shape: Flat, LED backlighting type: Mini LED. Smart TV. Motion interpolation technology: PPI (Picture Performance Index) 5000, Display brightness: 3000 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 *	2.16 m (85")
HD type *	4K Ultra HD
Display technology *	SQD-Mini LED
LED backlight	✔
LED backlighting type	Mini LED
Screen shape *	Flat
Native aspect ratio *	16:9
Display brightness *	3000 cd/m²
Response time	5.7 ms
Progressive scan	✔
Motion interpolation technology *	PPI (Picture Performance Index) 5000
Native refresh rate	144 Hz
Display refresh rates supported	120 Hz, 288 Hz
Dynamic contrast ratio marketing name	Mega Contrast
Display number of colours	1.07 billion colours
Viewing angle, horizontal	178°
Viewing angle, vertical	178°
Display resolution *	3840 x 2160 pixels
Display diagonal (metric)	214.8 cm
Colour gamut standard	Rec. 2020

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	✔

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) *	500 W
Power consumption (standby) *	0.5 W
Energy efficiency class (SDR) *	D
Energy efficiency class (HDR) *	G

Smart TV	
Apple AirPlay 2 support	✔
Hybrid Broadcast Broadband TV (HbbTV)	✔
Smart modes	Vivid, Standard, Filmmaker, Movie, Game, PC, IMAX Enhanced, Dolby Vision IQ
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	
Number of speakers *	2
RMS rated power *	60 W
Audio output channels	2.2 channels
Built-in subwoofer	✔
Audio decoders	Dolby Atmos, DTS:X
Equalizer	✔
Sound modes	Game, Movie, Music, Sports, Custom, Speech
Auto volume leveller	✔
Enhanced Audio Return Channel (eARC)	✔

Network	
Wi-Fi *	✔
Wi-Fi band	Dual-band (2.4 GHz / 5 GHz)
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
Miracast	✔
Browsing	✔
Web browser	✔

Design	
Product colour *	Black
Colour name	Black
VESA mounting *	✔
Panel mounting interface	600 x 400 mm
On/off switch	✔
Frameless design	✔
Introduction year	2026
Stand type	Center stand

Performance	
High Dynamic Range (HDR) technology	Dolby Vision, Dolby Vision IQ, High Dynamic Range 10 (HDR10), Hybrid Log-Gamma (HLG)
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

Power	
Energy consumption (SDR) per 1000 hours *	103 kWh
Energy consumption (HDR) per 1000 hours *	396 kWh
AC input voltage	220 - 240 V
AC input frequency	50/60 Hz
Energy saving mode	✔
Energy efficiency scale	A to G

Operational conditions	
Operating temperature (T-T)	5 - 35 °C

Technical details	
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

Weight & dimensions	
Width (with stand)	1888 mm
Depth (with stand)	379 mm
Height (with stand)	1124 mm
Weight (with stand)	36.6 kg
Width (without stand)	1888 mm
Depth (without stand)	58 mm
Height (without stand)	1084 mm
Weight (without stand)	34.1 kg
Stand width	40.8 cm
Stand depth	37.9 cm

Packaging data	
Warranty card	✔
Quick start guide	✔
Package weight	53 kg
Package width	210 mm
Package depth	2060 mm
Package height	1260 mm
Package weight	53 kg

Packaging content	
TV frame included	✘
TV frame colour	Black
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	
Video compression formats	H.264, H.265, MPEG2, MPEG1, MPEG4, WMV, AV1, VC1, VP8, VP9
Backlight dimming technology	Precision Dimming
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	✘
Multi View	✔
Parental control	✔
Smartphone/tablet remote support	✔
USB recording	✘
DVD player	✘

Ports & interfaces	
HDMI version	1.4/2.0/2.1
Audio Return Channel (ARC)	✔
Mobile High-Definition Link (MHL)	✔
HDCP	✔
HDCP version	1.4/2.2
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	2
RF connector type	F, IEC
Common interface (CI) *	✔

Logistics data	
Master (outer) case height	1260 mm
Master (outer) case width	2060 mm
Products per master (outer) case	1 pc(s)
Master (outer) case length	210 mm
Master (outer) case gross weight	53 kg
Products per intermodal container (20ft)	20 pc(s)
Products per intermodal container (40ft, HC)	126 pc(s)
Pallet net width	2.2 m
Pallet net length	80 cm
Pallet net height	139.7 cm
Pallet net weight	187 kg
Pallet gross width	2.2 m
Pallet gross length	80 cm
Pallet gross height	139.7 cm
Pallet gross weight	187 kg
Products per pallet	3 pc(s)

Other features	
3D	✘
Wi-Fi ready	✔
Batteries included	✔
Apple HomeKit support	✔
Cable management	✔
Processor architecture	ARM Cortex-A73
Storage temperature (T-T)	-15 - 45 °C
Operating relative humidity (H-H)	20 - 75%
Storage relative humidity (H-H)	10 - 90%
Built-in camera	✘
Country of origin	Poland
Digital Living Network Alliance (DLNA) certified	✔
Warranty period	1 year(s)
Google applications	Google Cast, Google Duo, Google Photos, Google Play Music, Google Play Movies, Google Play, YouTube

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