

TCL

TCL C64 Series 50C649 TV 127 cm (50") 4K Ultra HD Smart TV Wi-Fi Titanium

Brand : TCL

Product family: C64 Series

Product code: 50C649

Product name : 50C649



TCL C64 Series 50C649. Display diagonal: 127 cm (50"), Display resolution: 3840 x 2160 pixels, HD type: 4K Ultra HD, Display technology: QLED, Screen shape: Flat, LED backlighting type: Direct-LED. Smart TV. Motion interpolation technology: PPI (Picture Performance Index) 3100, Response time: 15 ms, Native aspect ratio: 16:9. Digital signal format system: DVB-S2, DVB-T2, ISDB-C. Wi-Fi, Ethernet LAN. Product colour: Titanium



Display		Ports & interfaces	
Display diagonal *	127 cm (50")	HDMI version	2.1
HD type *	4K Ultra HD	HDMI Quick Switch	✓
Display technology *	QLED	HDCP	✓
LED backlighting type	Direct-LED	Ethernet LAN (RJ-45) ports *	1
Screen shape *	Flat	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1
Native aspect ratio *	16:9	Digital audio optical out	1
Response time *	15 ms	Headphone outputs *	1
Motion interpolation technology *	PPI (Picture Performance Index) 3100	RF ports quantity	2
Native refresh rate	60 Hz	RF connector type	F, IEC
Dynamic contrast ratio marketing name	Mega Contrast	Common interface (CI) *	✓
Colour depth	10 bit	Common interface Plus (CI+) *	✓
Display resolution *	3840 x 2160 pixels	Common interface Plus (CI+) version	1.4
Display diagonal (metric)	125.7 cm	HDMI ports quantity *	3
Peak luminance ratio	65%	PC in (D-Sub) *	✗
TV tuner		Consumer Electronics Control (CEC)	T-link
Tuner type *	Analog & digital	Management features	
Analog signal format system *	NTSC, PAL BG, PAL DK, PAL I, PAL L, SECAM B/G, SECAM D/K, SECAM L	Control type	Buttons, Wireless
Digital signal format system *	DVB-S2, DVB-T2, ISDB-C	Voice control	✓
Auto channel search	✓	Electronic Programme Guide (EPG)	✓
Smart TV		Programming period	8 day(s)
Smart TV *	✓	On Screen Display (OSD)	✓
Internet TV *	✓	Number of OSD languages	29
Operating system installed *	Google TV	On Screen Display (OSD) languages	ALB, Bulgarian, Croatian, Czech, Danish, German, Dutch, English, Spanish, Estonian, Finnish, French, Greek, Hungarian, Italian, LAT, Lithuanian, MAC, Norwegian, Polish, Portuguese, Romanian, Russian, SER, Slovak, Slovenian, Swedish, Turkish, Ukrainian
Operating system version	ATV 11.0	Auto power off	✓
Apple AirPlay 2 support	✓	Sleep timer	✓
Hybrid Broadcast Broadband TV (HbbTV)	✓	Firmware upgradeable	✓
Hybrid Broadcast Broadband TV (HbbTV) version	2.0.2	Firmware upgradeable via	Network, USB
Built-in Chromecast	✓	Works with Amazon Alexa	✓
App distribution platform	Google Play	Works with the Google Assistant	✓
Video apps	Amazon Prime Video, Apple TV, Disney+, Netflix, Twitch, YouTube	Power	
Music apps	Spotify	Energy efficiency class (SDR) *	G
Audio		Energy efficiency class (HDR) *	G
Number of speakers *	2	Energy consumption (SDR) per 1000 hours *	68 kWh
RMS rated power *	20 W	Energy consumption (HDR) per 1000 hours *	113 kWh
Audio output channels	2.0 channels		
Audio decoders	DTS, Dolby Atmos		
Audio decoding technologies	DTS:X, Dolby Digital AC4, Dolby TrueHD		

Audio		Power	
Equalizer	✓	Power consumption (standby) *	0.5 W
Auto volume leveller	✓	AC input voltage	220-240 V
Enhanced Audio Return Channel (eARC)	✓	AC input frequency	50 Hz
		Energy efficiency scale	A to G
Network		Certificates	
Wi-Fi *	✓	Certification	Tüv Rheinland
Ethernet LAN *	✓		
Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac)	Technical details	
Bluetooth *	✓	Internal memory	10200 MB
Bluetooth version	5.0	Doesn't contain	Cadmium
Bluetooth profiles	A2DP, SBC	Weight & dimensions	
Miracast	✓	Width (with stand)	1112 mm
Web browser	✓	Depth (with stand)	265 mm
HID support	✓	Height (with stand)	700 mm
		Weight (with stand)	9.1 kg
Design		Width (without stand)	1112 mm
VESA mounting *	✓	Depth (without stand)	80 mm
Panel mounting interface	200 x 200 mm	Height (without stand)	648 mm
Product colour *	Titanium	Weight (without stand)	9 kg
Frameless design	✓	Stand width	102.6 cm
Introduction year	2023	Stand depth	26.5 cm
Bezel type	3 Bezel-less	Packaging data	
Stand type	Legs stand	Desktop stand	✓
Stand colour	Titanium	Cables included	AC
Performance		Remote control included	✓
High Dynamic Range (HDR) supported *	✓	Remote control type	RC833
High Dynamic Range (HDR) technology	High Dynamic Range 10 (HDR10), High Dynamic Range 10+ (HDR10 Plus), Hybrid Log-Gamma (HLG)	Manual languages	Bulgarian, Czech, Danish, German, Dutch, English, Spanish, Estonian, Finnish, French, Greek, Hungarian, Italian, Lithuanian, Norwegian, Polish, Portuguese, Romanian, Russian, SER, Slovak, Slovenian, Swedish, Turkish, Ukrainian
Game mode	✓	Package width	1260 mm
Teletext function	✓	Package depth	128 mm
Subtitles function	✓	Package height	774 mm
Video formats supported	AVI, H.264, H.265, MKV, MP4, MPG, TS, VP9, WEBM, WMV	Package weight	12.5 kg
Audio formats supported	EAC3, MP3, PCM, WMA	Logistics data	
Image formats supported	BMP, HEIF, JPG, PNG	Pallet gross width	130 cm
Ambient mode	Yes	Pallet gross length	168.8 cm
Local dimming	✓	Pallet gross height	80 cm
Picture processing technology	TCL AiPQ 3.0 Engine	Products per pallet	12 pc(s)
Noise reduction *	✓	Quantity per truck	260 pc(s)
Processor cores	4	Number of pallets per truck	30 pc(s)
Multi-screen	✓	Other features	
AMD FreeSync	✓	Cord length	1.5 m
AMD FreeSync type	FreeSync	Processor architecture	ARM rtd288o
Game features	Auto Low Latency Mode (ALLM), Variable Refresh Rate (VRR)	Processor frequency	1.3 GHz
4K Ultra HD upscaling	✓	Power plug type	Type C
Smartphone remote support	✓	Digital Living Network Alliance (DLNA) certified	✓
		User memory	9.2 GB



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