

Panasonic



Android TV™ gives you a smarter, easier way to get more from your TV.

MS480 SERIE

FTV LED HD SMART ANDROID TV

32" TX-32MS480B | 32" (80 cm)
EAN 5025232948703

24" TX-24MS480B | 24" (60 cm)
EAN 5025232948765

HD
HIGH DEFINITION

Our new MS480 Series LED Android TV device is available in compact sizes and makes it easier to get more from your TV. Discover 400,000+ movies and shows in one place. Ask Google to control your TV with your voice. And cast your photos, videos, and music from devices to your TV easily with Chromecast built-in™.

*Subscription for services may be required

Android TV – a smarter way to watch

Google Play – for your favorite apps and games

Google Assistant – to search for shows, control your TV or plan your day

Chromecast built-in – to share your small screen on a big screen

FHD/HD Picture Performance – for improved picture performance

USB Media Player – to easily access personal content stored on USB

Bluetooth Connectivity – Pair your TV with any Bluetooth enabled audio device

android tv      

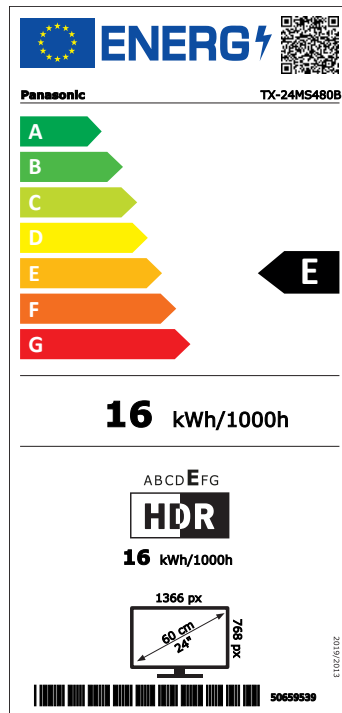
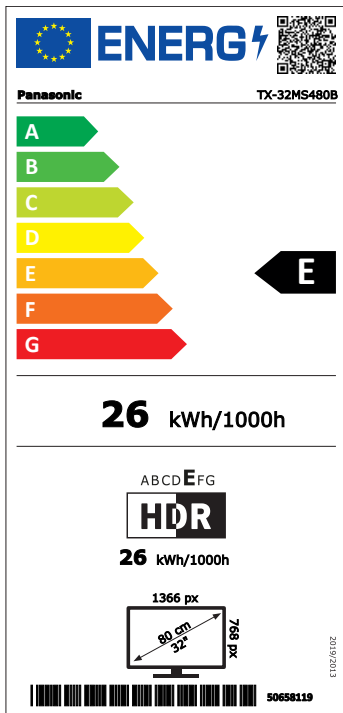






Google, Google Play, Android TV and Chromecast built-in are trademarks of Google LLC. Google Assistant is not available in certain languages and countries. Availability of services varies by country and language. Subscription required for Streaming Services.

MS480 Serie		TX-24MS480E	TX-32MS480E	
Display	Panel	HD Ready	HD Ready	
	Screen Resolution	1366 (W) x 768 (H)	1366 (W) x 768 (H)	
	Panel Drive	2K 600 Hz RMR	2K 600 Hz RMR	
	Picture Mode	User/Standard/Vivid/Sport/Movie/Game	User/Standard/Vivid/Sport/Movie/Game	
	Ultra HD Premium ¹	—	—	
	Multi HDR Support ²	HDR10/HLG	HDR10/HLG	
	HDR Brightness Enhancer	Y	Y	
	Dynamic HDR Effect	N	N	
	Contrast	High Contrast	High Contrast	
	Colour Space	N	N	
	Advanced Video Processor/Engine	N	N	
	Local Dimming	N	N	
	Adaptive Backlight Dimming	N	N	
	THX Certified Display ³	N	N	
	Isf Mode	N	N	
	Sound Quality	Dolby Atmos	N	N
Surround		N	N	
Speaker Output		5 W (2.5 W x 2)	12 W (6 W x 2)	
Sound Mode		Sound mode WO/DAP User/Standard/Vivid/Sport/Movie/Music/News Sound mode W/DAP Smart/Movie/Music/News	Sound mode WO/DAP User/Standard/Vivid/Sport/Movie/Music/News Sound mode W/DAP Smart/Movie/Music/News	
Smart Features	Smart TV	Android TV (v.11)	Android TV (v.11)	
	Voice Personal Assistant	Google Assistant	Google Assistant	
	Voice Guidance	N	N	
	EPG	Y	Y	
	On Screen Display Menu Languages	35 Languages ¹⁶	35 Languages ¹⁶	
	Digital TV	DVB-T/T2/C/S/S2	DVB-T/T2/C/S/S2	
	Twin Tuner	—	—	
	Wireless LAN Built-in	Y	Y	
	TV Anywhere ⁴	—	—	
	In-House TV Streaming (DVB-IP)	—	—	
	Panasonic TV Remote Apps	—	—	
	Swipe & Share	—	—	
	Web Browser ⁵	N (Web Browser can be downloaded from Google Play Store)	N (Web Browser can be downloaded from Google Play Store)	
	Mirroring	Chromecast built in	Chromecast built in	
	Home Network ⁶	N	N	
	Bluetooth ⁷	Y	Y	
	Bluetooth Audio Link ⁸	N	N	
	IP Home Control	N	N	
	Media Player	Y	Y	
	Support Format	Video: mpeg/ mpeg/ dat/ vob/ mkv/ mp4/ m4a/ m4v/ mov/ flv/ 3gp/ 3gpp/ ts/ m21 s/ rmbv/ rm/ avi/ asf/ wmv/ webm Audio: mp3/ wma/ wav/ aac/ m4a/ ogm/ ogg/ lac3/ eac3/ flac Photo: jpg/ jpeg/ bmp/ png/ gif	Video: mpeg/ mpeg/ dat/ vob/ mkv/ mp4/ m4a/ m4v/ mov/ flv/ 3gp/ 3gpp/ ts/ m21 s/ rmbv/ rm/ avi/ asf/ wmv/ webm Audio: mp3/ wma/ wav/ aac/ m4a/ ogm/ ogg/ lac3/ eac3/ flac Photo: jpg/ jpeg/ bmp/ png/ gif	
	Data Broadcasting	Hbb TV 2.0.2	Hbb TV 2.0.2	
	Teletext Reception	1000P	1000P	
	USB-HDD Recording ⁹	N	N	
Multi Window	N	N		
HDAVI Control	Y	Y		
Energy Data	Suppliers Trademark	Panasonic	Panasonic	
	Model ID	TX-24MS480E	TX-32MS480E	
	Energy Efficiency Class	E	E	
	Visible Screen Size (diagonal)	60 cm / 24 inches	80 cm / 32 inches	
	On mode Average Power Consumption ¹⁰	16W	26W	
	Annual Energy Consumption ¹¹	—	—	
	Standby Power Consumption	<0.5W	<0.5W	
	Off mode Power Consumption	NA	NA	
	Screen Resolution	1366 (W) x 768 (H)	1366 (W) x 768 (H)	
	Power Supply	AC 220 - 240 V, 50/60 Hz	AC 220 - 240 V, 50/60 Hz	
	Rated Power Consumption	—	—	
Ambient Sensor (CATS)	N	N		
Design	Switch Design	—	—	
Terminal	Digital Tuner Reception	DVB-T/T2/C/S/S2	DVB-T/T2/C/S/S2	
	Analogue Tuner	Y	Y	
	HDMI ¹²	1 (side), 2 (rear)	1 (side), 2 (rear)	
	HDMI (HDCP2.2)	3	3	
	Support Feature	Audio Return Channel (Input 2, rear) HDMI1.4	Audio Return Channel (Input 2, rear) HDMI1.4	
	USB	2 (2 side, USB 2.0 x 2)	2 (2 side, USB 2.0 x 2)	
	Ethernet	1	1	
	CI (Common Interface)	1 (CI Plus, Version 1.4)	1 (CI Plus, Version 1.4)	
	Scart Connector	—	—	
	Component Video Input shared with Composite	RCA type x 1 (rear)	RCA type x 1 (rear)	
	Digital Audio Output (Coax)	1 (rear)	—	
	Digital Audio Output (Optical)	—	1 (rear)	
	PC input(VGA) + PC Audio In	1x PC input (rear) + 1x PC Audio In (via rear AV)	1x PC input (rear) + 1x PC Audio In (via rear AV)	
	Headphone Output	1 (side)	1 (side)	
	General	Included Accessory ¹³	TV Remote (Bluetooth/embedded microphone)	TV Remote (Bluetooth/embedded microphone)
		Dimensions (W x H x D) (w/o stand)	553x334x63	732x435x78
		Dimensions (W x H x D) (with stand) ¹⁴	553x372x134	732x479x185
Dimension Pedestal		280x22x134	385x20x185	
Weight (w/o stand)		3.50 kg	4.50 kg	
Weight (with stand)		3.75 kg	5.50 kg	
VESA Compatible		Y	Y	
VESA Dimension		75x75(M4)	75x75(M4)	
Outer Boxed Unit (W x H x D)		629x114x468	795x128x530	
Total Boxed Weight		5.00 kg	7.00 kg	



*1 Ultra HD Premium™ logo is a trademark of the UHD Alliance, Inc.

*2 All models: Supporting HDR does not increase the peak brightness capabilities of the TV panel.

Full HD & HD models: The ability to send a non 4K HDR signal via HDMI depends fully on the playback device. The majority of 4K Blu-ray discs require HDCP2.2 on TV to play back HDR, whereas the HDMI input on this TV support only HDCP1.4; accordingly not all HDR contents are guaranteed to be enjoyed on the TV.

*3 THX and the THX logo are trademarks of THX Ltd. which are registered in some jurisdictions. The THX 3D logo is a trademark of THX Ltd. All rights reserved.

*4 Due to network conditions or certain broadcaster restrictions, this function may not be available.

*5 The Web Browser cannot display some web pages correctly. And viewable contents by the Web Browser are subject to the following conditions;

- viewable contents may vary depend on models,
- viewable contents may differ from those for PC,
- viewable contents may be limited.

*6 File formats that are not supported by your Network Contents server (DLNA compatible server, etc.) cannot be played.

*7 HID (Human Interface Device Profile) compliant keyboards are available. A2DP (Advanced Audio Distribution Profile) compliant audio devices are available. The Bluetooth® word mark and logos are owned by the Bluetooth SIG, Inc. and any use of such marks by Panasonic Corporation is under license.

*8 When a Bluetooth device is connected to the TV, it is possible that the Bluetooth audio output may not be synchronized (i.e. be delayed) with relation to the images on the screen. This is not a defect of the TV or the device. The delay time will differ depending on the device.

*9 This feature requires a USB hard drive or flash drive with a capacity of at least 160 GB.

*10 Based on IEC 62087 Ed.2 measurement method.

*11 Energy consumption XYZ kWh per year, based on the power consumption of the television operating 4 hours per day for 365 days. The actual energy consumption will depend on how the television is used.

*12 The terms HDMI and HDMI High-Definition Multimedia Interface, and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing, LLC in the United States and other countries.

*13 Not all the accessories are listed here.

*14 Dimension with recommended pedestal style.

*15 Supporting HSP standardized by CTA-2072 (HDR Still Photo Interface)

*16 35 Languages (English, German, French, Danish, Finnish, Norwegian, Swedish, Croatian, Czech, Dutch, Greek, Bulgarian, Hungarian, Italian, Polish, Portuguese, Romanian, Russian, Slovak, Slovenian, Spanish, Turkish, Lithuanian, Latvian, Estonian, Ukrainian, Serbian, Arabic, Persian, Hebrew, Gaelic, Macedonian, Kazakh, Thai, Belarusian)

*17 To playback HDR, a HDR source is required (H.264 or H.265(ST2084 or HLG format)).