



Wi-Fi CERTIFIED™ Certificate

This certificate lists the features that have successfully completed Wi-Fi Alliance interoperability testing. Learn more: www.wi-fi.org/certification/programs



Certification ID: WFA121360

Product Info

Date of Certification	November 4, 2022
Company	Humax Co., Ltd.
Product Name	P21KW-500
Product Model Variant	2022-08-31
Model Number	P21KW-500
Category	Televisions & Set Top Boxes
Sub-category	Set Top Box, Media Extender (includes players & recorders)

Summary of Certifications

CLASSIFICATION	CERTIFICATION
Connectivity	2.4 GHz Spectrum Capabilities 5 GHz Spectrum Capabilities Wi-Fi CERTIFIED 6® Wi-Fi CERTIFIED™ a Wi-Fi CERTIFIED™ ac Wi-Fi CERTIFIED™ b Wi-Fi CERTIFIED™ g Wi-Fi CERTIFIED™ n
Optimization	WMM® Wi-Fi Agile Multiband™
Security	Protected Management Frames WPA2™-Personal 2021-01 WPA3™-Personal 2022-06 WPA™-Personal
Spectrum & Regulatory Features	Spectrum & Regulatory



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Role: Station

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Wi-Fi Components

Wi-Fi Component Operating System

Linux, version:5.4

Wi-Fi Component Firmware

100.15.13.31

RF Architecture

Bands Supported	Transmit (Tx)	Receive (Rx)
2.4 GHz	2	2
5 GHz	2	2

Certifications

2.4 GHz Spectrum Capabilities

20 MHz Channel Width in 2.4 GHz

5 GHz Spectrum Capabilities

20 MHz Channel Width in 5 GHz

40 MHz Channel Width in 5 GHz

80 MHz Channel Width in 5 GHz

Protected Management Frames

Spectrum & Regulatory

802.11h

WMM®

WPA2™-Personal 2021-01

WPA3™-Personal 2022-06

WPA™-Personal

Wi-Fi Agile Multiband™

Wi-Fi Agile Multiband™ (continued)

Beacon Report Measurement Active Mode
Beacon Report Measurement Passive Mode
BTM Query

Wi-Fi CERTIFIED 6®

A-MPDU with A-MSDU
BSRP Trigger frame
DL Mu PPDU multi-tone
DL MU-MIMO
LDPC Rx
LDPC Tx
MCS 8-9 Rx
MCS 8-9 Tx
MCS 10-11 Rx
MCS 10-11 Tx
MU EDCA Parameter Set element
MU-BAR Trigger frame
MU-RTS Trigger frame
OM Control field Tx
SU beamformee
UL OFDMA
UL TB PPDU multi-tone



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Wi-Fi CERTIFIED™ ac

Extended 5 GHz Channel Support
A-MPDU with A-MSDU
DL MU-MIMO
LDPC Rx
MCS 8-9 Rx
Short Guard Interval
LDPC Tx
SU beamformee

Wi-Fi CERTIFIED™ b

Wi-Fi CERTIFIED™ g

Wi-Fi CERTIFIED™ n

A-MPDU Tx
OBSS on Extension Channel
Short Guard Interval