MAXHUB XBar W70 Kit Datasheet

For Microsoft Teams Rooms

MAXHUB XBar W70 delivers the unmatched video and audio experience customers have come to expect.
In addition, new capabilities enable even smarter meetings, smarter presentation capabilities, and smarter room and device integrations–further removing the barriers to usage and deployment of video in medium to large-sized rooms.
The W70 is a quad-camera bar with integrated speakers and microphones. It offers sophisticated camera and audio technologies that bring AI director capabilities to medium to large-sized rooms.



200MP Camera System

Ultra-high-resolution camera system redefines image clarity and spatial adaptability

Quad Sight Lens

Ultra-wide 125° HFOV
Dual telephoto lens for close-up tracking

AI-Powered Technology

Auto Framing
Speaker Tracking
Smart Gathering
Intelligent Focus

AI Noise Reduction

Noise Reduction
Echo Cancellation
Anti-Reverberation
AGC Algorithm

Extended Capability

Can connect to both third-party device and exclusive MAXHUB device

Studio-Grade Dual Speakers

Dual 20W
Stereo Sound
Full Frequency
Quad Passive Radiator

BYOD Mode

Connect to your PC with a single USB cable for BYOD meeting

Cloud Device Management

Remotely monitor device status through cloud-based service (MAXHUB Pivot) via an internet connection

Package Contents

XBar W70 (With Standard Accessories)	× 1
TCP31T Touch Console (With Standard Accessories)	× 1

Optional Accessories

Wireless Dongle	WT13M or WT13S

Physical Specification

Package Dimension (L×W×H)	985 × 290× 275 mm / 38.8 × 11.4 × 10.8 in
Gross Weight	14 kg / 30.86 lb

Content Sharing

Teams (In Meeting)	1080p@30
Local Sharing (Type-C)	1080p@30
Local Sharing (HDMI)	4K@30

Device Management

Control and Management	MAXHUB Pivot

Environmental Condition

Operating Temperature	0°C ~ 40°C / 0°F ~ 104°C
Storage Temperature	-20°C ~ 60°C / -4°F ~ 140°F
Operating Humidity	10% ~ 90% RH
Storage Humidity	10%~ 90% RH
Altitude	Below 5000 m

XBar W70:

Camera

Camera Quantity	4
Pixel	50MP × 4
Sensor	1/1.55 inch
Aperture	F/2.4
Resolution & Frame Rate:	
H.264 / MJPEG	3840 × 2160, 2560 × 1440, 1920 × 1080, 1280 × 720, 1024 × 576, 960 × 540, 800 × 600, 640 × 360.
YUY2	1920 × 1080, 1280 × 720, 640 × 360
ZOOM	8x hybrid Zoom
Wide Camera	130° (D), 125° (H), 50° (V)
Telephoto Camera	52° (D), 42° (H), 32° (V)
Privacy Shutter	Electrical and automatical lens shutter
AI Feature	Auto Framing Speaker Tracking Intelligent Focus Smart Gathering Video Fence

General Information

CPU	Intel® Core™ i5-1240P Processor
Memory	16 GB
Storage	256 GB
Graphic	Intel® UHD Graphics for 12th Gen Intel® Processors

Operating System

Operating System	Windows 11 IoT Enterprise SAC
Application	Microsoft Teams Room

Network

Wi-Fi	Wi-Fi 6, 2×2 MIMO
Wi-Fi Protocol	802.11 a/ b/ g/ n/ ac/ ax
Working Band	2.4 GHz + 5 GHz
Working Mode	STA
Bluetooth	5.2 + BLE
Network	1000 Mbps

Power

Power Adapter	AC 100-240 V Input and DC 19V/10A Output

Audio

Speaker:	
Speaker Quantity	2
Sound Channel	2.0
Total Power (Max.)	20W + 20W
Sensitivity	100dB SPL @20W, +/-3dB at ½ meter
Sound Pressure (Max.)	89dB SPL@20W, +/-3dB at ½ meter
Frequency Range	80 Hz ~ 20 KHz
Microphone:	
Microphone Quantity	16-mic array
Pickup Range	10 m
Frequency Range	20 Hz ~ 16 KHz
Sensitivity	-36 ± 1 dBFS
Sampling	48 KHz
Expansion	Supports 4 expansion microphones
AI Feature	Noise Reduction Echo Cancellation Anti-Reverberation AEC (Acoustic Echo Cancellation) ANS (Automatic Noise Suppression) AGC (Automatic Gain Control) Full-duplex Audio Fence

Input/Output Port

USB 3.0 Type-A × 1	To connect third-party device for audio input
USB 2.0 Type-A × 1	For firmware update and debug
HDMI Out × 3	Up to 4K@60Hz, CEC supported
HDMI In × 1	Up to 4K@60Hz
RJ45 (Internet) × 1	For internet connection
RJ45 (M Link) × 1	For BYOD wired connection
RJ45 (Console) × 1	To connect the touch console
RJ45 (Ext) × 1	To connect MAXHUB exclusive accessories (microphone, camera, etc.)
DC In × 1	For 19V power input power supply

Physical Specification

Product Dimension (L×W×H)	840.6 × 117.6 × 104 mm / 33.1 × 4.6 × 4.1 in
Net Weight	5.0 kg / 11.0 lb

Standard Accessories

Power Adapter	× 1
AC Cable (1.5 m / 4.9 ft)	× 1
HDMI Cable (3 m / 9.8 ft)	× 2
Ethernet Cable (3 m / 9.8 ft)	× 1
Ethernet Cable (7.5 m / 24.6 ft)	× 1
Mounted Components	× 1

Touch Console TCP31T:

Display	
Size	11.6 inch
Resolution	1920 × 1080
Frequency Refresh Rate	60 Hz
Backlight Unit	ELED
Brightness With Glass	250 nits (Min.) 300 nits (Max.)
Life Time	≥ 20000 hours

Input/Output Port	
RJ45 (To Bar)	× 1
USB-A 2.0 (For USB Audio accessories)	× 1
Type-C (Ingest)	× 1
RJ45 (M Link)	× 1
USB 2.0 (Pairing wireless dongle)	× 1
Audio Out (3.5 mm)	× 1

Touch System	
Type	Capacitive touch
Surface Treatment	Anti-fingerprint, Anti-glare

Standard Accessories	
USB-C Cable (1.8 m / 5.9 ft)	× 1
Ethernet Cable (7.5 m / 24.6 ft)	× 1
Screwdriver	× 1

Optional Accessories	
Wall-Mounted Kit (TCP30WM Bracket)	× 1

Physical Specification	
Product Dimension (L×W×H)	278 × 164 × 82.4 mm / 11 × 6.4 × 3.2 inch
Product Weight	1.16 kg / 2.56 lb

Sensor	
Motion Sensor	PIR sensor for automatic wake-up

Statement

Size and weight vary by configuration and manufacturing process, please refer to the actual product. The product images are for illustrative purposes only and may slightly differ in appearance, colour, size, etc. from the actual product. The description, illustrations, etc. in this document may subject to change in accordance with the latest product specification and performance. Should the above-mentioned change in the document become necessary, the document may be updated without written notice.