

Wireless Presentation

Communications	
Ethernet	100/1000 Mbps, auto-switching, autonegotiating, autodiscovery, full/half duplex, TCP/IP, UDP/IP, DHCP, SSL, TLS, SSH, SFTP (SSH File Transfer Protocol), IEEE 802.1x, Active Directory authentication, HTTPS web browser setup and XiO Cloud service, 802.3af compliant
Wi-Fi	Dual-band 802.11a/b/g/n/ac/ax (2.4 GHz & 5 GHz); Up to 100 ft (30 m) range at 80 Mbps, subject to site-specific conditions
AirMedia	Via Ethernet: IPv4, mDNS, TLS, AES1; Via wireless access point: IEEE 802.11/b/g/n/ac/ax, 2.4 GHz or 5 GHz
USB Host	USB 2.0 for connecting a USB conferencing peripheral; USB 3.0 for connecting a USB conferencing peripheral
USB Device	USB 3.0 for computer console (installer setup and firmware update) or conference system
RS-232	2-way display device control up to 115.2k baud with hardware and software handshaking
IR/Serial	1-way display device control via infrared up to 1.1 MHz or serial TTL/RS-232 (0-5V) up to 19.2k baud
HDMI Input	HDCP 1.4, EDID; Supports management of HDCP and EDID
HDMI Output	HDCP 2.2, EDID, CEC; Supports management of HDCP and EDID
AirMedia1	
OS Support	Apple® iOS®, Android™, Windows® 7, Windows 8, Windows 10, macOS®, Chrome OS™
Video Frame Rate	Up to 30 fps, audio supported NOTE: Audio is not supported on Android devices.
Output Resolutions	640x480@60Hz, 800x600@60Hz, 1024x768@60Hz, 1280x720@50Hz (720p50), 1280x720@60Hz (720p60), 1280x800@60Hz, 1366x768@60Hz, 1440x900@60Hz, 1600x900@60Hz, 1600x1200@60Hz, 1680x1050@60Hz, 1920x1080@50Hz (1080p50), 1920x1080@60Hz (1080p60) NOTE: All video inputs will be scaled to the selected HDMI output resolution.
Bitrate Peak	0.25 to 8.5 Mbps, variable depending on content complexity
Bitrate Average	1.4 Mbps typical NOTES: • The bitrate for Apple native mirroring may deviate from above depending on the OS version and content.

	<ul style="list-style-type: none"> The AirMedia Extension for the Google Chrome browser relies on web technologies for screen sharing that are built-in to the web browser. Performance variations with motion video (quality and frame rate) may occur based upon the encoding capabilities of the Chrome OS device and the nature of the content being displayed (i.e., high-motion video).
Audio Format	Stereo
Video	
Input Signal Types	AirMedia, HDMI (DVI & Dual-Mode DisplayPort™ compatible2), Kaptive (coming soon); Simultaneous display of up to either two sources (default functionality) or nine sources (license sold separately, coming soon) with AirMedia Canvas3
Maximum Input Resolutions	HDMI Input: 1920x1080@60Hz (HD 1080p60); AirMedia presentation: 1920x1080@30Hz (1080p30); AirMedia Connect Adapter: 3840x2160@30Hz (4K30) NOTES: <ul style="list-style-type: none"> Other input resolutions are supported at pixel clock rates up to 148 MHz; interlaced video is not supported. All video inputs will be scaled to the selected HDMI output resolution.
Output Signal Types	HDMI7 (DVI compatible2)
HDMI Output Resolutions	1280x720@50Hz (720p50), 1280x720@60Hz (720p60), 1280x800@60Hz,8 1366x768@60Hz,8 1440x900@60Hz,8 1600x900@60Hz,8 1600x1200@60Hz, 1680x1050@60Hz,8 1920x1080@50Hz (1080p50), 1920x1080@60Hz (1080p60), 3840x2160@30Hz (2160p30), 3840x2160@50Hz (2160p50), 3840x2160@60Hz (2160p60) NOTE: All video inputs will be scaled to the selected HDMI output resolution.
Background & Logo File Support	GIF, JPEG, PNG
Audio	
Input Signal Types	AirMedia, HDMI (Dual-Mode DisplayPort™ compatible2)
Output Signal Type	HDMI
Input/Output Format	2 channel LPCM

NOTE: Audio input signals are passed to the output without any processing. Volume control capability requires a display device with discrete volume, up, down, and mute commands available via CEC, IP, IR, or RS-232.

Connectors

ANT-A & ANT-B	(2) SMA connectors for external Wi-Fi antennas; Wi-Fi antennas included with 6.56 ft (2 m) cables
IR	(1) 4-pin 3.5 mm detachable terminal block; IR/Serial output port for display device control; IR output up to 1.1 MHz; 1-way serial TTL/RS-232 (0-5V) up to 19200 baud NOTE: IR port #2 is not used. IRP2 emitter sold separately.
COM	(1) 5-pin 3.5 mm detachable terminal block; Bidirectional RS-232 port for display device control; Up to 115.2k baud, hardware and software handshaking support
AUDIO OUT	(1) 5-pin 3.5 mm detachable terminal block; Balanced/unbalanced stereo line-level audio output; Maximum Output Level: 4 Vrms balanced, 2 Vrms unbalanced; Output Impedance: 200 ohms balanced, 100 ohms unbalanced
microSD	For future use
HDMI INPUT	(1) HDMI Type A connector; HDMI digital video/audio input; (DVI & Dual-Mode DisplayPort compatible2)
HDMI OUTPUT	(1) HDMI Type A connector; HDMI digital video/audio output7 (DVI compatible2)
USB	(2) USB Type A connectors; For future use (1) USB Type B connector; USB 3.0 device port for computer console
LAN PoE+	(1) 8-pin RJ-45 connector; 100Base-TX/1000Base-T Ethernet port and PoE+ Class 4
LAN AUX	For future use
24VDC 1.25A	(1) 2.1 x 5.5 mm DC power connector; 24VDC power input; PW-2412WU power pack sold separately