

Ultra-High Definition IP Set-top Box



Air 7410X is an elegant, high performance STB, targeted for future proof IPTV and OTT deployments with UHD HEVC decoding. Air 7410X is equipped with dual band concurrent 3x3 802.11ac and 2x2 802.11n WiFi and RF4CE option for hidden installations. Integrating the Opera embedded web browser with Blink rendering engine, Air 7410X offers unparalleled user experience

HEVC Decoder

Air 7410X Set Top Box utilizes a powerful 12K DMIPS Broadcom processor with HEVC 4Kp60 10-bit decode capability.

Maximize Wireless Video Steaming

Pixilation-free, high quality wireless video reception at home. A range of wireless deployment configurations are possible with AirTies Access point product variations. Thanks to the 3x3 802.11ac WI-FI capability, the Air 7410X can connect to the existing IPTV capable gateway for wireless connection, eliminating the need for expensive truck roll and running cables around the house.

Air 7410X features the AirTies Mesh technology to efficiently distribute video within the home. Contrary to the traditional AP-Station star topology, mesh nodes can communicate with each other, alleviating airtime and WI-FI coverage issues.

With AirTies Mesh, Air 7410X acts as an AP (i.e. mesh node), providing a connection to clients closest to it, significantly reducing the retransmission overhead and improving airtime.

Supported Middleware

The Air 7410X integrates Opera browser with Blink rendering engine and HbbTV standard OIPF APIs. Many industry-leading Middleware are integrated and operational. The software platform provides a foundation for interoperability with OTT/IPTV/Hybrid middleware and 3rd party partners.

Seamless app switching

Switch between the Operator UI and HTML5/native applications instantly without long load times. YouTube TV, Opera TV Store, gaming and streaming applications are supported.

Content Security

Verimatrix VCAS™ v3.7, Viaccess-Orca Connected Sentinel and Microsoft PlayReady DRMs are currently available. Compliant with the latest security requirements of the studios for UHD content. HDCP 2.2 and Watermarking are supported.

Ideal for OTT Deployments.

Adaptive bitrate streaming via Microsoft Smooth Streaming, HLS and MPEG-DASH. PlayReady DRM, Verimatrix DRM are integrated.

Compact Design

- Compact cabinet with small footprint
- 138mm x 138mm x 39mm
- Silent design with no forced air cooling

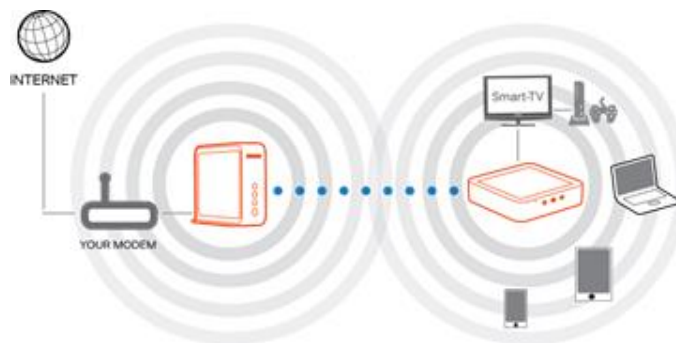
Video Network Protocols

- Multicast IPTV (IGMP)
- Video-on-Demand (RTSP)
- HTTP Live Streaming (HLS)
- Microsoft Smooth Streaming
- MPEG-DASH
- Progressive Download
- Home Media Video Containers (AVI, MKV, MP4, MOV) and Text Subtitles (SUB, SRT, SSA and ASS)
- Hybrid Broadcast Broadband TV (HbbTV)
- DLNA (DMP, DMS, DMR)

Interfaces

- Gigabit Ethernet
- 1xUSB 3.0 (For external hard drive, wireless dongle, camera/microphone or keyboard connections)
- Composite Video, L/R Audio
- Optical S/PDIF
- 1x HDMI out :HDMI 2.0 HDCP 2.2 support
- 1xHDMI in
- Wireless : 802.11ac, 3x3 MIMO, 2x2 802.11n (2.4 GHz), dual band concurrent
- Optional MicroSD card reader interface
- Optional RF4CE interface

Technical Specifications



Air 7410X as a Mesh node with Air 4920

Core Chipset	BCM7252S (12K DMIPS)
Front-end	IP
Operating System	Linux
System Memory	2GB DDR3
Flash Memory	256MB SLC NAND (Up to 4GB)
Video Codecs	<ul style="list-style-type: none"> • H.265/HEVC Main Profile and Main 10 Profile up to 4Kp60 • H.264/AVC Main and High Profile to level 4.2 • MPEG-2 • VC1 • VP8, VP9 (up to 4Kp60 – 8 bit)
Audio Codecs	<ul style="list-style-type: none"> • AAC-LC, AAC-HE Level 2 & Level 4 • AC-3, E-AC3 (Dolby Digital Plus) - Optional • MPEG-1 Layers 1,2,3 (MP3) • WM/WM-Pro Audio (Optional) • DTS (Optional) • FLAC • Vorbis
Graphics	2.7Gpix/s OpenGL ES 2.0 3D GPU, Dual 800Mpix/s 2D GPU
Protocols	IP, TCP/UDP, DHCP, FTP/TFTP, HTTP, SSL2.0/3.0, RTSP/RTP, IGMP v2, v3, HLS, MPEG-DASH, DLNA, uPnP, TR-069/111/135
Physical Characteristics	<ul style="list-style-type: none"> • Dimensions: 138mm(H) x 138mm(D) x 39mm(W) • Power: 12V DC • Adapter operating voltage: 100V-240V AC • Operating Temperature: 0°C ~ 40°C • Storage Temperature: -40°C ~ 70°C • Operating Humidity: %10 ~ %90
Certifications	CE, FCC, RoHS, WEEE
Package Contents	<ul style="list-style-type: none"> • Switching Power Adaptor 12VDC, Voltage 100-240 VAC 50/60 Hz • IR remote controller with batteries • 3.5mm jack to 3xRCA/SCART Cable • HDMI cable • Ethernet Cable