

High Definition HEVC Compact IP Set-top Box

Air 7405 is a compact, elegant, high performance STB, targeted for future proof IPTV and OTT deployments with HEVC decoding. Air 7405 is equipped with dual band 2x2 802.11ac WiFi module for wireless, and RF4CE option for hidden installations. Integrating the Opera embedded web browser with Blink rendering engine, Air 7405 offers unparalleled user experience.

HEVC Decoder

Air 7405 Set Top Box utilizes a powerful 6K DMIPS Broadcom processor with HEVC/H.265 decoder. Air 7405 supports dual 1080i and single 1080p HEVC decoding.

PLTV Support

PLTV functionality supports smooth trick modes (Fast forward and Rewind) and Live TV pausing.

Maximize Wireless Video Steaming

Pixilation-free, high quality wireless video reception at home without having to run any cables to Air7405. A range of wireless deployment configurations are possible with AirTies Access point product variations. All AirTies wireless devices incorporate the following features to provide ultra-reliability, predictable bandwidth and unprecedented high speed performance for **real-time video distribution** and data transmission in the home.

IP QoS Traffic Prioritization: Automatic detection and prioritization of traffic type ; isolate IPTV and data traffic to separate VLANs

Smart queuing: Video buffers at both the transmitter (AP) and receiver (STB) manage which packets have been actually received and retransmit lost ones while maintaining packet ordering critical to video.

AirTies Mesh solution delivers 100% wireless coverage in any home, top to bottom, back to front.

Supported Middleware

The Air 7405 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™, Viaccess-Orca Connected Sentinel, Microsoft PlayReady DRMs are currently available.

Ideal for OTT Deployments.

Supports HbbTV with Opera Browser, adaptive bitrate streaming via Microsoft Smooth Streaming, HLS, MPEG-DASH and PlayReady DRM, Verimatrix DRM.

Compact Design

Compact cabinet with small footprint
10cm x 10cm x 2.5cm
Silent design with no forced air cooling

Video Network Protocols

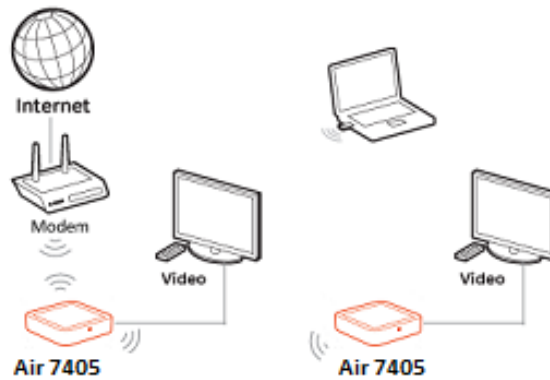
Multicast IPTV (IGMP)
Video-on-Demand (RTSP)
HTTP Live Streaming (HLS) with Adaptive Bitrate
Microsoft Smooth Streaming
MPEG-DASH
Progressive Download
Home Media Video Containers (AVI, MKV, MP4, MOV) and Text Subtitles (SUB, SRT, SSA and ASS)
Hybrid Broadcast Broadband TV (HbbTV)
DLNA (DMP, DMS, DMR)

Interfaces

- 10/100 BaseT Ethernet
- 1xUSB 2.0 (For external hard drive, wireless dongle, camera/microphone or keyboard connections)
- Composite Video, L/R Audio and Optical S/PDIF
- HDMI 1.4/MHL with HDCP 1.x support
- Wireless : 867 Mbps, 802.11ac, 2x2 MIMO, 2.4 GHz / 5 GHz dual band
- Optional MicroSD card reader interface
- Optional RF4CE interface



Technical Specifications



Air 7405 as Wireless OTT/IPTV Client

Core Chipset	BCM7250 (6K DMIPS)
Front-end	IP
Operating System	Linux
System Memory	1GB DDR3
Flash Memory	128MB NAND (Up to 4GB)
Video Codecs	<ul style="list-style-type: none"> • Dual HEVC H.265 • Dual MPEG-2 MP@HL/ML • Dual MPEG-4/H.264 AVC MP/HP @L4.2(HD) L3.1(SD) • Dual VC1 AP@L3 • FLV • Dual 1080i or single 1080P50/60 decode • Full HD 3DTV support SVC & MVC
Audio Codecs	<ul style="list-style-type: none"> • AAC-LC, AAC-HE • AC-3, E-AC3 (Dolby Digital Plus) - Optional • MPEG-1 Layers 1,2,3 (MP3) • WM/WM-Pro Audio - Optional • DTS 5.1 (Optional)
Graphics	1Gpix/s 3D Graphics processor with OpenGL ES 2.0, 1.1, Open VG 1.1
Protocols	IP, TCP/UDP, DHCP, FTP/TFTP, HTTP, SSL2.0/3.0, RTSP/RTP, IGMP v2, v3, HLS, DLNA, uPnP, TR-069/111/135
Physical Characteristics	<ul style="list-style-type: none"> • Dimensions: 100mm(H) x 100mm(D) x 25mm(W) • Power: 5V DC • Adapter operating voltage: 100V-240V AC • Operating Temperature: 0°C ~ 40°C • Storage Temperature: -40°C ~ 70°C • Storage Humidity: 5%-95%, RH, non-condensing • Operating Humidity: %10 ~ %90 non-condensing
Certifications	CE, FCC, RoHS, Gost-R
Package Contents	<ul style="list-style-type: none"> • Switching Power Adaptor 5VDC, Voltage 100-240 VAC 50/60 Hz • IR remote controller with batteries • 3.5mm jack to 3xRCA/SCART Cable • HDMI cable • Ethernet Cable