

High Definition Compact IP Set-top Box

Air 7205 is a compact, elegant, high-performance, IP Set Top Box for IPTV/OTT applications. Air 7205 is equipped with internal Wi-Fi for wireless deployments, and RF4CE Remote Controller for hidden installations.

Over-the-Top Features

The Air 7205 supports IGMP, RTSP as well as HTTP Live Streaming and Microsoft Smooth Streaming with adaptive bitrate. It also utilizes progressive download, allows web browsing, media play and online social networking. Control via remote control navigation and keyboard input with a wired or wireless keyboard/mouse.

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 Air 7205. 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 7205 integrates Opera browser with HBBTV APIs. Many industry-leading Middleware are currently integrated and operational. The software platform provides a foundation for interoperability with OTT/IPTV/Hybrid middleware and 3rd party partners.

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 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

High-End Audio, Video and Graphics

H.264, MPEG2,VC-1, Xvid, FLV Codec support

Up to Dual 1080i decode (for Picture in Picture), Single 1080P decode and display. 4:3 and 16:9 formats

Full HD 3DTV support using SVC & MVC coding

3D Graphics OpenGL ES 2.0, OpenVG 1.0 support, allowing enhanced UI's and Gaming capabilities.

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)

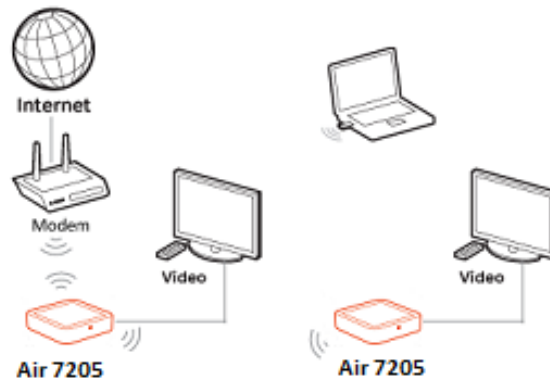
DLNA (DMP, DMS, DMR)

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 7205 as Wireless OTT/IPTV Client

Core Chipset	BCM7230 (up to 1600 DMIPS)
Front-end	IP
Operating System	Linux
System Memory	512MB DDR3 (Up to 1GB)
Flash Memory	128MB NAND (Up to 4GB)
Video Codecs	<ul style="list-style-type: none"> • 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 • DTS 5.1 (Optional)
Graphics	3D Graphics 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 (optional 3.5mm Jack to SCART adaptor) • HDMI cable • Ethernet Cable