

## Ultra-High Definition Set-top Box and Mesh Extender

Air 7430 is a high performance Wi-Fi STB, targeted for future proof IPTV and OTT deployments with support for crystal clear 4K picture and HDR. Air 7430 is equipped with integrated 4x4 802.11ac WiFi capability for wireless, and Bluetooth option for wireless remote, voice search and gaming applications.

### Future Proof UHD

Air 7430 Set-top Box utilizes a powerful 7K DMIPS dual core processor with video processing capability up-to 4Kp60 resolutions.

Air 7430 supports the industry leading HDR technologies such as HDR10, HLG and VP9 Profile 2, offering the best picture quality in the market.

### 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 4x4 802.11ac Wi-Fi capability, the Air 7430 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 7430 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 7430 acts as an AP (i.e. mesh node), providing wireless connectivity to clients closest to it, significantly reducing the retransmission overhead and improving airtime.

### Android TV™

The Air 7430 STB enables operators to expand their 4K product offerings and replace outdated HD platforms with a cost effective 4K solution and performance that meets the demanding requirements of Android TV. The Air 7430 Android TV STB features operator branded experience integrating popular OTT applications .

### 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

4K content can be fully protected with the widely available Verimatrix VCAS™, Viaccess-Orca Connected Sentinel, Microsoft PlayReady and Widevine DRMs.

### Managed OTT

Combined with the support for the bitrate streaming technologies such as Microsoft Smooth Streaming, HLS, MPEG-DASH; Air 7430 features operator grade security for OTT content.

Incorporating intelligent QoS mechanisms, the set-top box will proactively report crucial statistics to the cloud. The operator can monitor the user experience and react to system level problems immediately.

### Compact Design

Compact cabinet with small and thin footprint. 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

- Gigabit Ethernet
- 1xUSB 2.0 (For external hard drive, wireless dongle, camera/microphone or keyboard connections)
- Composite Video, L/R Audio
- Optical S/PDIF
- HDMI 2.0 with HDCP 2.2 support
- Wireless : 5 GHz 4x4 MU-MIMO and 2x2 802.11n for 2.4 GHz
- Optional Bluetooth interface
- Optional DVB-T2/T/C interface



## Technical Specifications

<b>Core Chipset</b>	BCM72604 (7K DMIPS)
<b>Front-end</b>	Gigabit Ethernet / Wireless DVB-T2/T/C option
<b>Operating System</b>	Linux / Android™
<b>Wireless</b>	Dual Band concurrent, with AirTies Mesh 5 GHz: 4x4 802.11ac (BCM4366E) 2.4 GHz: 802.11n (BCM43235)
<b>Bluetooth</b>	Bluetooth 4.1 with Cypress 20704
<b>System Memory</b>	2 GB DDR4
<b>Flash Memory</b>	512MB SLC NAND (Linux) 8 GB eMMC (Android)
<b>Video Codecs</b>	<ul style="list-style-type: none"> <li>• HEVC H.265</li> <li>• MPEG-2 MP@HL/ML</li> <li>• MPEG-4/H.264 AVC MP/HP @L4.2(HD) L3.1(SD)</li> <li>• VP9</li> <li>• VC1 AP@L3</li> <li>• FLV</li> </ul>
<b>Audio Codecs</b>	<ul style="list-style-type: none"> <li>• AAC-LC, AAC-HE</li> <li>• Optional Dolby Digital, Dolby Digital Plus</li> <li>• MPEG-1 Layers 1,2,3 (MP3)</li> <li>• WM/WM-Pro Audio</li> <li>• Optional DTS 5.1</li> </ul>
<b>Graphics</b>	OpenGL ES 3.0
<b>Protocols</b>	IP, TCP/UDP, DHCP, FTP/TFTP, HTTP, SSL2.0/3.0, RTSP/RTP, IGMP v2, v3, HLS, Smooth Streaming, MPEG-DASH, DLNA, uPnP, TR-069/111/135
<b>Physical Characteristics</b>	<ul style="list-style-type: none"> <li>• <b>Dimensions:</b> 160mm x 110mm x 25mm</li> <li>• <b>Power:</b> 12V DC</li> <li>• <b>Adapter operating voltage:</b> 100V-240V AC</li> <li>• <b>Operating Temperature:</b> 0°C ~ 40°C</li> <li>• <b>Storage Temperature:</b> -40°C ~ 70°C</li> <li>• <b>Storage Humidity:</b> 5%-95%, RH, non-condensing</li> <li>• <b>Operating Humidity:</b> %10 ~ %90 non-condensing</li> </ul>
<b>Certifications</b>	CE, FCC, RoHS, Gost-R
<b>Package Contents</b>	<ul style="list-style-type: none"> <li>• <b>Switching Power Adaptor 12VDC, Voltage 100-240 VAC 50/60 Hz</b></li> <li>• <b>IR remote controller with batteries</b></li> <li>• <b>3.5mm jack to 3xRCA/SCART Cable</b></li> <li>• <b>HDMI cable</b></li> <li>• <b>Ethernet Cable</b></li> </ul>