

## Ultra-High Definition Compact IP Set-top Box

Air 7415 is a compact, elegant, high performance STB, targeted for future proof IPTV and OTT deployments with support for crystal clear 4K picture and HDR. Air 7415 is equipped with dual band 2x2 802.11ac WiFi capability for wireless, and Bluetooth option for wireless remote, voice search and gaming applications.

### Future Proof UHD

Air 7415 Set-top Box utilizes a powerful 7K DMIPS processor with video processing capability up-to 4Kp60 resolutions.

Air 7415 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 without having to run any cables. Air 7415 incorporates the following features to provide reliability, predictable bandwidth and unprecedented high speed performance for **real-time video distribution** 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.

### Supported Middleware

The Air 7415 integrates the high performance and state of the art Opera HTML5 browser with Blink rendering engine and HbbTV standard OIPF APIs. Many industry-leading Middleware are integrated. The software platform provides a foundation for interoperability with OTT/IPTV/Hybrid middleware and 3rd party partners.

### Android TV™

The Air 7415 STB enables operators to expand their 4K product offerings and replace outdated HD platforms with a cost effective 4K solution and performance that meets the demanding requirements of Android TV.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 7415 Android TV STB features operator branded experience

### Content Security

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

### Managed OTT

Combined with the support for the prevalent bitrate streaming technologies such as Microsoft Smooth Streaming, HLS, MPEG-DASH; Air 7415 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

- 10/100 BaseT 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 : 867 Mbps, 802.11ac, 2x2 MIMO, 2.4 GHz / 5 GHz dual band
- Optional BLE interface



# Technical Specifications

<b>Core Chipset</b>	BCM72604 (7K DMIPS)
<b>Front-end</b>	IP
<b>Wireless</b>	Dual band selectable, 2x2 802.11ac with Bluetooth
<b>Operating System</b>	Linux / Android™
<b>System Memory</b>	2 GB DDR4
<b>Flash Memory</b>	512MB SLC NAND Optional : 8 GB eMMC (Android TV)
<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>• AC-3, E-AC3 (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> 100mm x 100mm x 20mm</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>

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