



ADB-3800W

High definition set-top box with home-networking capabilities



HIGHLIGHTS

High and Standard definition both MPEG-2 and MPEG-4/H.264

Home Networking capable

Ethernet, USB 2.0 and HDMI™ interfaces

ADB. INSPIRING HYBRID PAY-TV



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High definition set-top box with home-networking capabilities

The ADB-3800W is the work horse of your IP-based network. Perfect for multi-room home networking, the ADB-3800W can connect directly to ADB digital video recorders enabling access to TV shows, movies, music and photos.

Capable of both high-definition and standard definition television including MPEG-2 and MPEG-4/H.264 video coding, the ADB-3800W also supports the industry's leading conditional access, digital rights management and middleware technologies.

For HCNA networking capabilities, see ADB's 3721WN.

TECHNICAL SPECIFICATIONS

TV Reception

- IPTV

System Resources

- FLASH memory: Up to 68MB
- RAM memory: Up to 192MB (DDR)

Software

- Linux, Mozilla Browser
- ADB JavaScript API for IPTV and DVB
- Selection of IPTV middleware
- Compatible with MS Windows CE 5.0 BSP
- Advanced Graphical User Interface
- UPnP Media Player & Server
- Video Telephony
- HDD MP3 Player & Photo Album
- Electronic Program Guide
- Picture in Picture functionality

Security

- CGMS-A on analog outputs
- Selection of embedded DRM & Conditional Access
- Macrovision on SD output
- HDCP on HDMI output

IP Protocols & Standards

- IGMP2 [RFC 2236], IGMP3 [RFC 3376]
- RTSP [RFC 2326]
- RTP [RFC 3550]
- PPPoE [RFC 2516]
- SIP [RFC2543]
- NTP [RFC 1305]
- SSL 3.0
- TLS 1.0 [RFC 2246]
- HTTP 1.1, HTTPS, HTTP Authentication [RFC 2617]

Advanced Digital Broadcast

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- DHCP [RFC 2131]
- HTML 4.01, Dynamic HTML
- XHTML 1.0
- JavaScript 1.5
- DOM level 2
- CSS level 2
- TR-069/TR-111

Video

- MPEG-1 (SD)
- MPEG-2 MP@ML (SD) and MP@HL (HD)
- MPEG-4 p.10 (H.264) MP@L3 (SD) and MP@L4.1 (HD)
- H.263 decoding and encoding for video telephony
- MP@LL, MP@ML, MP@HL, AP@L1-3
- Video format: 4:3, 16:9 with Pan Scan, Letterbox
- Up-scaling of SD video on HD output
- Downscaling HD video on SD output
- Resolution: up to 1920x1080
- 32-bit color for OSD graphics
- and external applications

Audio

- MPEG-1 Layers I, II, III (MP3)
- MPEG-2 Layer 2
- MPEG-2 AAC LC and AAC+
- MPEG-4 AAC LC 2-channel/5.1 channel, MPEG-4
- AAC+SBR 2-channel/5.1 channel
- WMA-9, WMA-9 Pro
- G.7xx for VoIP
- Echo cancellation for VoIP
- Mono, Dual Mono, Stereo, Joint Stereo
- Dolby Digital pass-through to external decoder
- Dolby Digital Down-mix

Return channel

- IEEE 802.3 10/100 Ethernet interface

Front Panel

- Optional Smartcard slot behind fl ap
- 8 navigation keys
- 4 segment display
- STB status LED indicators
- USB 2.0

Back Panel Connectors

- RF Modulator
- TV RCA output
- S-Video output
- YPrPb high definition output
- HDMI high definition output
- Digital S/PDIF optical audio output
- USB 2.0
- RJ-45 Ethernet port
- DC power input

Accessories

- Remote Control
- Quick Install Manual
- Batteries
- Power cord with PSU
- Audio/video cables (opt.)
- Ethernet cables (opt.)
- User manual (opt.)

General Data

- Operating temperature range +5 to +40(°C)
- AC input voltage: 90 - 264 V, 50/60 Hz
- Dimensions: 11.4" x 2.2" x 8.7"
- FCC, UL & CUL compliance

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