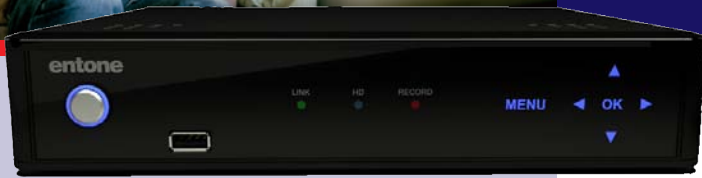




# Amulet™

## Next Generation SD/HD MPEG-4 IPTV Receiver



### ***Robust & Flexible Platform for Advanced Media Delivery***

Amulet is a next-generation SD/HD MPEG-4 IPTV receiver that offers a cost-effective way to deliver high-quality video services. Compact and stylish, yet Amulet is a powerful and flexible platform for advanced media delivery. It decodes popular video formats including MPEG-4 (AVC/H.264), MPEG-2, VC-1 and DivX, as well as advanced audio format decodes and transcoding capability.

### **Modular Networking & Expandable DVR Options**

Amulet easily integrates with existing home-networks and broadband services. The integrated Ethernet connection can be augmented by either a HomePNA, 802.11, MoCA or HomePlug adapter. With Amulet, subscribers can access and manage a variety of traditional broadband services, as well as extend the capabilities of their existing IP home networks for more content delivery choices.

Amulet also supports external SATA hard disk drive attachment for digital video recorder (DVR) applications. With its expandable DVR options, Amulet offers service providers the flexibility to deploy DVR while offering subscribers more storage options. Whole-home DVR can be enabled without the hassles of costly equipment replacements or truck rolls.

### **Optimum Performance**

The dual-core MIPS32® CPU and advanced 2-D graphics acceleration engine provide for a responsive and compelling user experience. It supports popular third-party middleware and digital rights management (DRM) solutions such as Microsoft Mediaroom, Minerva, Nagravision, Nokia-Siemens Networks HES, Verimatrix and Widevine.

Amulet enables service providers to increase their subscriber base and generate more revenue by offering subscribers more advanced services and an enhanced user experience.

### **Key Features**

- ◆ Easily integrates with existing in-home networks and broadband services
- ◆ Supports advanced video and audio formats, including MPEG-4 (AVC/H.264), VC-1, DivX, Dolby Digital, Windows Media, MP3
- ◆ Supports popular networking technologies: HomePNA, 802.11, MoCA and HomePlug
- ◆ Dual processor and advanced 2-D graphics acceleration engine
- ◆ External SATA support for flexible DVR applications

## Technical Specifications

### Video Formats

- HD/SD H.264/AVC Main and High Profile to Level 4.1 (HD), Level 3.1 (SD)
- VC-1 Advanced Profile @ Level 3, Simple and Main Profile
- HD/SD MPEG-2 Main Profile at Main and High levels
- MPEG still image decode
- SD MPEG-4 P2 SP/ASP
- HD DivX 3.11/4.11/5.x/6x/Home Theater

### Audio Formats

- AAC LC, AAC LC+SBR Level 2, AAC+ Level 2, AAC-HE
- Dolby® Digital, Dolby Digital Plus
- MPEG I layers 1, 2, and 3 (MP3)
- Windows Media® and Windows Media Pro audio
- 3D SRS audio support
- Transcoding operations including AAC to DTS 5.1 or AC3+ to AC3

### Advanced Graphics

- High-performance 2D-effects graphic engine
- Studio-quality text and graphics at HD resolution
- Digital noise and contour reduction (DNR/DCR)
- Motion-adaptive de-interlacer with reverse 3:2/2:2 pull-down

### Video Outputs

- NTSC-M/J, PAL-BDGHIN/M/Nc, SECAM analog outputs
- 480i/480p/576i/576p/720p/1080i output formats
- Component RGB/YPrPb HD/HD-DVO outputs
- Macrovision® 7.1/NICAM support
- HDMI 1.3/DVI 1.0 Mac and PHY with HDCP 1.1

### Content Security

- AES/1DES/3DES/CSS/CPRM/DTCP copy protection
- MPEG-2/DIRECTV/DVB/ARIB data transport demux with 1DES/3DES/DVB/Multi2/AES descramblers

### Back Panel Connectors

- RJ-45 10/100Base-T Ethernet with integrated status LEDs
- Dual USB 2.0 Host Type A
- HDMI
- eSATA
- DC power
- S/PDIF optical transmitter
- S-video
- RF output
- RCA component and composite video

### Front Panel

- Illuminated power standby button
- Indicators for network status, HD and recording status
- Keypad with "Menu", "OK", and directional arrows (Available for Enhanced Model Only)
- Single USB 2.0 Host Type A
- IR receiver

### Internal Network Options (Available for Enhanced Model Only)

- HomePNA 3.1
- 802.11 b/g/n WiFi
- MoCA
- HomePlug adapter (external)

### CPU and Memory

- Broadcom BCM7405 with 400-MHz Dual-Core CMT MIPS32/16e class processor
- 256MB (Standard Model) / 512MB (Enhanced Model)

### Mechanical

- 235w x 180d x 45h mm (10w x 8d x 1-3/4h inches)
- 5-35°C (40-95°F), 30-95% relative humidity operating temperature
- Power 1.2A maximum at 12V

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