



ENTONE AMULET 505

HYBRID MEDIA HUB

FEATURES

- Optimized for digital video broadcast and streaming media services (OTT)
- Easily integrates with existing in-home networks and broadband services
- Optional dual tuners for broadcast reception
- Whole-home wireless HD video distribution with Wi-Fi options
- Universal Storage Module (USM) and SD card options for flexible DVR applications
- Energy efficient with DeepSleep™ to reduce power consumption up to 99% in standby mode
- Robust and Future-proof platform for Advanced TV and broadband services
- More home networking options, still no new wires
- Optimum performance and enhanced software support
- Energy efficient

TECHNICAL SPECIFICATIONS

VIDEO FORMATS*

- 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

ADVANCED GRAPHICS

- High-performance 3D effects graphic engine
- Studio-quality text and graphics at HD resolution
- Digital noise and contour reduction (DNR/DCR)
- Supports simultaneous HD+SD display



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

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

*** SUPPORTED VIDEO AND AUDIO FORMATS LISTED INCLUDE OPTIONAL TECHNOLOGIES THAT MAY REQUIRE ADDITIONAL FEES AND LICENSES**



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TECHNICAL SPECIFICATIONS

VIDEO OUTPUTS

- NTSC-M/J, PAL-BDGHIN/M/Nc, SECAM analog outputs
- 480i/480p/576i/576p/720p/1080p/1080i output formats
- Macrovision® 7.1/NICAM support
- HDMI 1.4/DVI 1.0 Mac and PHY with HDCP 1.1

NETWORKING OPTIONS

- Internal 802.11n (2.4 GHz) Wi-Fi
- External pre-802.11ac (5.4 GHz) Wi-Fi
 - Real-time Transmit Digital Beam Forming (MIMO)
 - Baseband 3Tx3R, up to 3 spatial streams
 - Client-to-client direct connection (TDLS)
 - Digital beam forming for up to 4.5db gain
 - Standards: pre-802.11ac, 802.11a, 802.11h, 802.11n, 802.11e, 802.11i
 - Wi-Fi Compliant: WMM, WMM-PS, WPA, WPA2, WPS
 - Encryption: AES, TKIP, WEP64/128
 - RF: 2.4GHz, 4.9GHz – 5.85GHz
 - Modulations: BPSK, QPSK, 16-QAM, 64-QAM
 - FEC: 1/2, 2/3, 3/4, 5/6
 - Max PHY Rate: 450 Mb/s

HYBRID TUNER OPTIONS

- Dual ATSC
- Dual QAM
- Dual ISDB-T

ENERGY MANAGEMENT

- Power 1.5A maximum at 12V
- 0.5W power consumption in standby mode
- ENERGY STAR compliant

TYPE APPROVALS

- FCC Part 15, CEA-60065

FRONT & SIDE PANELS

- Illuminated power standby button
- Indicators for network status, HD and recording status
- Single USB 2.0 Host Type A
- IR receiver
- Capacitive touchpad with Menu, OK
- 4-digit clock display
- USM port
- SD slot



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TECHNICAL SPECIFICATIONS

BACK PANEL CONNECTORS

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

CPU & MEMORY

- Broadcom BCM7231 with 742.5MHz dual core, 2000 DMIPS
- 256MB (Flash) / 512MB (DRAM)

MECHANICAL

- 1 x 8.5 x 4 in. (H x W x D)
- 5-35°C (40-95°F) operating temperature
- 30-95% relative humidity