Versatile Whole Home hybrid QAM/IP headed media server capable of supporting multiple IP clients

FEATURES

- Video decode up to 1080p60
- CableCARD™ with support for decryption of 6 QAM streams
- 500 GB to 2 TB removable HDD
- Support for external HDD via eSATA port
- 256 MB of Flash memory, 1 GB of SDRAM
- Comprehensive and advanced device connectivity
- IR and RF4CE remote support
- Power saving modes
- 3000+ Dhrystone MIPS Processor
- Dolby Digital™ and Dolby Digital Plus™ up to 7.1 channels
- MoCA® 2.0
- SNMP and TR-069 support
- DOCSIS® 3.0 8 x 4 cable modem
- Transcode
- Front panel support for LED clock, channel display, record LED, data LED, remote LED and power button

PRODUCT OVERVIEW

The MG1 is a versatile Whole Home hybrid QAM/IP media server capable of supporting local video decoding and multiple connected IP clients. Content sharing and home networking are supported by Ethernet and MoCA® 2.0 interfaces. The product also supports transcoding for use with external devices, as well as a removable HDD for content storage.

The MG1 incorporates an industry-leading 3000+ DMIPS processor supported by 256 MB of Flash and 1 GB of SDRAM. A CableCARD™ conditional access system provides for decryption of up to 6 QAM streams.
The DOCSIS 3.0 cable modem supports 8 downstream and 4 upstream bonded channels for IP connectivity to the MG1 and attached IP set-top boxes or other home devices. The MG1 also includes a removable HDD that can be sized from 500 GB to 2 TB to suit operator needs. In addition, an eSATA port allows for HDD expansion.

### GENERAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>RF Interfaces</th>
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</thead>
<tbody>
<tr>
<td>1 x Full-Band Capture tuner with 1 GHz support</td>
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<tr>
<td>1 x OOB Agile tuner</td>
</tr>
<tr>
<td>1 x RF return, 5-85 MHz QAM, QPSK modulator</td>
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<td>1 x RF out Ch. ¾ remod</td>
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<tr>
<td>1 x MoCA 2.0 transceiver</td>
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</tbody>
</table>

**DOCSIS 3.0 Cable Modem**

- 8 downstream x 4 upstream bonded channels

### Audio Video Processing

- Advanced Audio Volume Leveling Technology
- Multichannel Audio Codec Support, including Dolby Digital, Dolby Digital Plus, AAC, HE-AAC
- MPEG-2 MP@MP and MP@HL decode up to 1080p60
- MPEG-4 MP@SP L3 and MP@ASP L5 decode up to 1080p60
- Simultaneous HD output via HDMI and Y Pb Pr outputs with HD video downscaled to SD on CVBS output
- HD Transcode

### GENERAL SPECIFICATIONS - CONTINUED

<table>
<thead>
<tr>
<th>Interfaces (Back Panel)</th>
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</thead>
<tbody>
<tr>
<td>1 x HDMI 1.4 Audio/Video out with HDCP copy protection</td>
</tr>
<tr>
<td>Dual switched HDMI inputs</td>
</tr>
<tr>
<td>Component Video RCA output (Y, Pb, Pr)</td>
</tr>
<tr>
<td>Composite Video Output</td>
</tr>
<tr>
<td>L/R RCA Stereo Output</td>
</tr>
<tr>
<td>5.1 Digital Audio Optical (S/PDIF) output</td>
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<tr>
<td>5.1 Digital Audio RCA (S/PDIF) output</td>
</tr>
<tr>
<td>2 x USB 2.0 ports</td>
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<tr>
<td>1 x 10/100 Ethernet port</td>
</tr>
<tr>
<td>SD card slot for Time Shift Buffer</td>
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<tr>
<td>eSATA port for external HDD support</td>
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<tr>
<td>Optional IEEE 1394 port</td>
</tr>
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**System Processor / Memory**

- 3000 + Dhrystone MIPS processor
- 256 MB Flash
- 1 GB DDR3 SDRAM

Removable 500 GB hard disk drive (expandable to 2 TB)

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### GENERAL SPECIFICATIONS - CONTINUED

**Graphics**

Enhanced 3D graphics with support for OpenGL ES 2.0 and OpenVG 1.1

Graphics presented on HDMI, Y, Pb, Pr, CVBS outputs simultaneously

**Front Panel**

LED clock, (channel Display)

Record LED (RED)

Data LED (ORANGE)

Remote LED (Green for RF remote, Red for IR Remote)

Power (Green for ON, Red for OFF)

**Remote Control Protocols Supported**

Legacy and XMP-1 standard code set support

RF4CE RF remote control support

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**Software**

Middleware and UI agnostic

**Conditional Access**

Multistream CableCARD (M-Card) support

CableCARD located behind a bottom mounted metal cover for heat dissipation

**Accessories**

Consumer Quick Start Guide

12V DC External Power Supply

**Industrial Design**

Conventional horizontal set-top orientation

Enclosure combining plastic front, side, lid panels with metal base for thermal efficiency purposes

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