



# QIP7100

## Hybrid QAM/IP HD Set-Top Terminal

The Motorola QIP7100 decodes digital standard- and high-definition MPEG-2 and MPEG-4 video formats transmitted via QAM or IP. It supports embedded IP networking using Multimedia Over Coax Alliance (MoCA) technology. The resulting IP connectivity enables communication with other set-tops throughout the home and VoD over IP.

### Features

- 64/256 QAM tuner supports standard- and high-definition MPEG-2 and MPEG-4 formats
- Embedded IP networking over coaxial cable using MoCA technology
- Two-way IP data communication
- Powerful (MIPS) RISC processor
- Out-of-band data receiver
- Full range of industry-standard video, audio, and data outputs (for details, see "Specifications")
- Dolby® 5.1 and 7.1 digital audio
- Macrovision® copy protection
- Front-panel LED display with navigation buttons
- Digital on-screen diagnostics
- CableCard interface
- Switched accessory outlet

### Benefits

- Superior all-digital video and sound quality for a true home theater experience
- Decodes standard- and high-definition programs.
- Processes QAM and IP video transports
- Embedded IP networking supports high bandwidth data applications
- Can operate as part of a multi-room DVR home network via MoCA
- Advanced hardware platform supports feature-rich applications and graphics
- Supports typical digital TV functionality, including the interactive program guide (IPG), video on demand (VoD), and commercial-free, CD-quality music

## SPECIFICATION SHEET

QIP7100

### SPECIFICATIONS

#### Input frequency

Video (QAM) 54 to 860 MHz  
IP 1125 to 1525 MHz

#### Home network

MoCA-compliant

#### Outputs

HDTV Component video (Y Pb Pr),  
IEEE 1394, HDMI  
Standard TV S-Video, composite video,  
channel 3 and 4 RF remod  
Audio Left/right baseband,  
optical and coaxial S/PDIF  
Data USB 2.0  
10/100Base-T Ethernet

#### Memory

DRAM 256 MB standard unified  
Flash 32 MB

#### CPU Minimum

400 MIPS

#### Video

MPEG-2 and MPEG-4

#### Video resolution

480i, 480p, 720p  
1080i, 1080p

#### Graphic resolution

Up to 720x480

#### Colors

32 bit

#### Digital input level

64 QAM -15 to +15 dBmV  
256 QAM -12 to +15 dBmV

#### RF Data carrier

Frequency QPSK-modulated  
Agile receiver  
70 to 130 MHz  
Bandwidth 1.5 MHz  
Level -15 to +15 dBmV

#### IP Data Carrier

Frequency MoCA  
1125 to 1525 MHz  
Bandwidth 50 MHz  
Level 0 dBm

#### Operating temperature

15 °C to 40 °C  
(59 °F to 104 °F)

#### Operating humidity

5 to 95% (noncondensing)

#### AC voltage

105 to 125 VAC, 60 Hz

#### Power dissipation

30 W nominal at 115 VAC

#### Size

17.02 in. (43.23 cm) W  
10.78 in. (27.38 cm) D  
2.75 in. (7.00 cm) H

#### Weight

10 lbs.

Certain features may not be activated by your service provider, and/or their network settings may limit the feature's functionality. Additionally, certain features may require a subscription. Contact your service provider for details. All features, functionality, and other product specifications are subject to change without notice or obligation.



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