HMC4100 Cable Media Gateway

DVB-C, AVC, HD DVR with DOCSIS® 3.0 modem & transcoder

FEATURES

- 1 GHz Full-Spectrum Capture Tuner with four channels
- 3000 DMIPS Processor
- Full-featured, DOCSIS/EuroDOCSIS 3.0 compliant embedded cable modem with 4x4 channel bonding
- HD Video Transcoding for multi-screen service
- HDTV decode of MPEG-2, MPEG-4 AVC (H.264)
- Dolby® Digital, Dolby® Digital Plus, AAC-LC/HE-AAC
- Video scaling and Video-in-Graphics, with accelerated 2-D and 3-D Graphics
- Novel-SuperTV & Conax Conditional Access (Advanced Security) compliance
- HDCP and DTCP content protection
- Low-power mode (0.5W)

PRODUCT OVERVIEW

The HMC4100 is an all-digital DVB-C cable platform with an embedded DOCSIS 3.0 modem, designed to extend the possibilities for broadband television. It provides high-definition (HDTV) video, along with support for detachable mass storage devices, multisession local DVR/PVR, on-demand services and OTT video streaming.

HMC4100 supports a wide range of video rates and decodes standard MPEG-2, H.264 and MPEG-4 transport streams including most audio/video formats. The platform supports interactive services with ARRIS KreaTV integrated: a full-featured set-top framework for TV applications, supporting CAS and/or DRM, browser applications and a comprehensive SDK for rapid application programming by the service provider or a third party.

Powered by Full Spectrum Capture and Multi-QAM technology, the HMC4100 Fast Channel Change (FCC) feature provides an excellent zapping experience whilst the powerful transcoding capability and ARRIS KreaTV software enables multi-screen services such as view, booking and manage Live TV and DVR/PVR content on mobile or OTT devices.

The HMC4100 also provides the latest secure HDMI output and Dolby audio. With its superior system specification, HMC4100 offers excellent performance across a variety of hybrid applications for both data and video.
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Benefits
- Full-band digital video tuner and up to four channels
- Fast Channel Change (Zapping within 0.5 s, may vary among different CAs)
- RF Spectrum Analysis and Network Health Data provided remotely
- Powered by ARRIS KreaTV hybrid solution, with HTML5 web browser and support for downloadable web apps
- Embedded (Euro)DOCSIS 3.0 provides cost-effective data gateway features
- Detachable HDD to provide a high-quality multi-session DVR/PVR
- Internet portal supporting OTT services
- Advanced security compliance
- Hybrid DVB video gateway with embedded data processing

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# GENERAL SPECIFICATIONS

## Front Panel
- **Power LED**: Dual-color
- **CM & HDD LED**: Single-color, cable modem & HDD
- **IR remote control sensor**

## Rear Panel
- **RF input**: F-Type
- **Mini-Phone type A/V out**: Composite Video/Baseband Audio
- **S/PDIF Digital Audio output**: Coaxial
- **HDMI output**: HDMI 1.4 with HDCP 1.2
- **External IR input**: 3.5mm
- **USB**: 2x USB2.0 (rear and side)
- **Ethernet**: 10/100 Adaptive
- **Power input**: 12V DC input
- **Power Switch**: Rocker
- **SmartCard slot**: ISO-7816 Standard

## Top/Bottom Chassis
- **Power (Standby)**: Standby/Power on
- **Control Buttons**: Up/Down/Left/Right/OK/Menu
- **Detachable HDD interface**: For detachable HDD Installation

## Power
- **AC Voltage**: 100..240VAC, 50/60 Hz
- **Power consumption**:
  - Typical: <10 W (depending on feature set)
  - Max: <24 W; Sleep: <0.5 W

## Physical
- **Operating temperature**: 0..50 °C
- **Operating humidity**: 5..95% (non-condensing)
- **Dimensions**: 260(W) × 165(D) × 51(H) mm
- **Weight**: 660g (without HDD)