

# ARRIS DCX3635

## Media Gateway

### FEATURES:

- 500 GB or 1 TB internal hard drive
- Available with the award-winning ARRIS Moxi User Interface experience
- Full Band Capture (1 GHz) 16 QAM front end
  - Standard Configuration: 6 Digital Video Tuners with DOCSIS 3.0 (8x4)
  - DOCSIS 3.0 Channel Bonding (16x4) capable with all IP configuration
- Video Decode up to 1080p60 AVC
- Audio decode of Dolby® Digital, Dolby® Digital Plus
- MoCA® 2.0 Home Networking Interface
- Integrated Wireless Cable Modem and Router
- DOCSIS 3.0 Channel Bonding (8x4)
- 802.11ac 3x3 dual band concurrent wireless interface (optional)
- 512MB (4 Gbit) Flash, 1.5GB DRAM



### PRODUCT OVERVIEW:

ARRIS has combined the advanced capabilities of a video gateway and data gateway into one device. The DCX3635 supports delivery of QAM/IP video services to the home, plus high speed internet access through the integrated cable modem and optional wireless router. The wireless router provides an integrated 3x3 antenna array, dual band concurrent radios, and BeamForming to provide reliable Wi-Fi coverage throughout your home. The DCX3635 also provides a whole home solution for delivering video content to connected devices via MoCA 2.0, Ethernet, and Wi-Fi.

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### Advanced Features

The DCX3635 Media Gateway includes state-of-the-art features. The front end of the DCX3635 is flexible, which allows the operator to deliver a mixture of services via QAM and IP to its tuners. So it can be configured to tune up to 6 QAM services simultaneously, with 8 DOCSIS downstream channels. Alternatively, the DCX3635 can be configured to use all 16 channelizers in the 1GHz Full Band Capture front end for delivering IP video and providing internet access.

The DCX3635 can decode and display video content up to 1080p60 for the main display, plus additional video decodes to support either quad transcoding sessions up to 720p30 or dual up to 1080p30.

### Improved Watch and Record Capabilities

The ARRIS Whole Home Solution supports multi-room viewing of all broadcast, recorded, home network and internet content for a truly converged entertainment experience. This six-tuner whole home system enables subscribers to record as many as 6 HD channels simultaneously. The ARRIS Whole Home Solution is complemented by a variety of mobile and web applications enabling remote scheduling as well as video streaming of Live TV and recorded content while on the go. The advanced user interface on the ARRIS Whole Home solution allows users to access a variety of Internet video applications and services such as Netflix, Hulu, Pandora and other popular content sites for the latest news, sports and market information.

#### STANDARD INTERFACES

##### Front Panel

- Power, Home LAN, Record, Wi-Fi and High Speed Data LEDs
- RF4CE wireless interface
- IR remote control sensors

##### Rear Panel

- F-connector for Cable input
- HDMI™ 1.4 output
- Baseband composite video output
- L/R audio output with volume control
- Optical S/PDIF digital audio output
- USB 2.0 Host Type A port
- (2) 10/100/1000 Ethernet interface
- eSATA interface
- Mini-phone 3.5mm serial port and External IR input
- Cable Modem Reset and WPS Buttons



#### GENERAL SPECIFICATIONS

RF Input Frequency:	54 MHz to 1002 MHz (audio/video)
Tuning:	1GHz Full-Band Front End 16x 64-1024 QAM Demodulators DOCSIS 3.0 channel bonding
Memory:	512MB Flash, 1.5GB DRAM
Video:	Triple video decode (one local) up to 1080p60, MPEG-2, MPEG-4 AVC
Composite Video Output Formats:	NTSC
HDMI Video Output Formats:	480i/p, 720p, 1080i, and 1080p24/30/60
Audio:	Dolby Digital, Dolby Digital Plus, Dolby Dialogue Clarity
Graphics:	1.2 Gp/s OpenGL 2.0, scalable video-in-graphics
Wi-Fi (optional)	802.11n, 2.4GHz, 3x3 MIMO, 20/40 MHz channels 802.11ac, 5GHz, 3x3 MIMO, 20/40/80 MHz channels
Hard Disk Drive:	500GB standard, 1 TB option
Out-of-Band Modulation:	Frequency agile receiver 70 MHz to 130 MHz
Power Supply:	100 VAC to 240 VAC, 50/60 Hz input; 12 VDC output
Power Dissipation:	46 W AC (depending on features)
Dimensions:	324mm Wide x 228mm Deep x 63mm High
Weight:	2.02 kg
Operating Temperature:	15 °C to 42 °C (50 °F to 108 °F)
Operating Humidity:	5% to 90% (non-condensing)

Specifications are subject to change without notice.

