



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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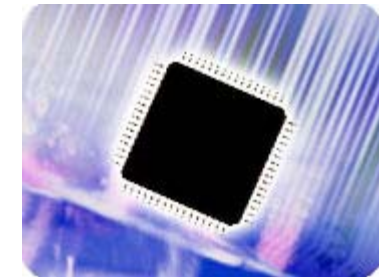




- ICs**
- EEPROMs
- Clock Generators
- Voltage Detector ICs
- Motor Drivers
- Power Management ICs
- LED / LCD Drivers
- Sensor ICs
- Operational Amplifiers / Comparators
- Analog Switches / Logics
- D / A Converters
- IT Equipment / Interface ICs
- Video and Imaging ICs
- Audio ICs**
- Wireless Audio Link IC Series for FM Transmitter
- FM Radio One Chip ICs
- High Performance Class-D Speaker Amplifier Series
- Ultra Small Headphone

USB Host Audio Decoder ICs

ROHM's USB host audio decoder ICs integrate a USB 2.0 host, SD memory card controller, AAC decoder, WMA decoder, MP3 decoder, Audio DAC amp, and a system controller all on a single chip, allowing easy playback of music stored in USB flash memory using an audio player. They can be easily added to virtually any audio device (i.e. CD player, mini-component stereo, portable player, car stereo) for greater functionality.



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*Put the mouse on the icon to see further details.

Specification	Part No.	Package	Function
MP3 Format 	NEW BU9428KV	 VQFP64	32MB ~2TB CONT ROLLER FAT16 FAT32 TAG RANDOM REPEAT Analog LINE I ² S SPDIF
MP3 Format + SD Memory Card 	BU9435KV	 VQFP64	32MB ~2TB CONT ROLLER FAT16 FAT32 TAG RANDOM REPEAT Analog LINE I ² S SPDIF
WMA / MP3 Format + SD Memory Card 	NEW BU9437AKV	 VQFP64	32MB ~2TB CONT ROLLER FAT16 FAT32 TAG RANDOM REPEAT RESUME Analog LINE I ² S SPDIF
AAC / WMA / MP3 Format + SD Memory Card 	NEW BU9438KV	 VQFP64	32MB ~2TB CONT ROLLER FAT16 FAT32 TAG RANDOM FF/FR REPEAT RESUME Analog LINE I ² S SPDIF

- [Amplifier Series](#)
- [Speaker / Headphone Amplifier Series](#)
- [Low Power Audio DAC with Headphone Amplifier](#)
- [Hi-Fi Voice Synthesis IC Series](#)
- [Sound Processor Series for Home Theaters](#)
- [Sound Processor Series for FPD TVs](#)
- [Digital Sound Processor for FPD TVs](#)
- [Digital Sound Processor for Car Audio](#)
- [Sound Processor Series for Car Audios](#)
- [Sound Processor Series for BOOM BOX/Mini-component Stereo](#)
- [USB Host Audio Decoder ICs](#)
- [Sound Path Selector IC Series](#)
- [Melody Sound Source ICs for Mobile Phones](#)
- [Audio Decoder IC Series for Mobile Phones](#)
- [Audio Interface IC Series for Digital Still Cameras/Digital Video Cameras](#)
- [Digital Signal Processor IC Series for CD Players](#)
- [Audio Accessory IC Series](#)

[Inquiries concerning our products](#)

USB Host Audio Decoder ICs													
Part No.	Operating voltage (V)		USB	SD	Serial interface	Display information	MP3	WMA	AAC	Audio output		Package	RoHS
	Core	I/O								Analog	Digital		
NEW BU9428KV	1.40 to 1.60	3.0 to 3.6	USB2.0 Full Speed	—	I ² C BUS	Folder number File number Playing time Folder name File name TAG (Artist Alubum Title)	MPEG1,2,2.5 LAYER1,2,3	—	—	Line	I ² S SPDIF	VQFP64	Yes
BU9435KV	1.40 to 1.60	3.0 to 3.6	USB2.0 Full Speed	MMC SD miniSD microSD SDHC	I ² C BUS		MPEG1,2,2.5 LAYER1,2,3	—	—	Line	I ² S SPDIF	VQFP64	Yes
NEW BU9437AKV	—	3.0 to 3.6	USB2.0 Full Speed	MMC SD miniSD microSD SDHC	I ² C BUS		MPEG1,2,2.5 LAYER1,2,3	WMA9Standard	—	Line	I ² S SPDIF	VQFP64	Yes
NEW BU9438KV	—	3.0 to 3.6	USB2.0 Full Speed	MMC SD miniSD microSD SDHC	I ² C BUS		MPEG1,2,2.5 LAYER1,2,3	WMA9Standard	MPEG4AAC-LC	Line	I ² S SPDIF	VQFP64	Yes

Discrete Semiconductors

Opto Electronics

Passive Components

**Modules
(Sub Systems)**



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