OKI Semiconductor

Preliminary

AR205

Voice Analysis and Editing Tool (Low Priced)

GENERAL DESCRIPTION

The voice analysis and editing tool AR205 is used to translate voice data that was created with a sound bluster, into Interl HEX data for OKI's voice IC.

The AR205 is composed of a voice translation board ARC-205 with a simplified ROM writer attached and editing software "VoicePROLite" (no space between characters is required).

The AR205 is inserted in the expansion slot of PC.

The VoicePROLite uses the WAVE file of a sound bluster as a source data and translates the WAVE file into a format suitable for each voice IC to support writing to ROM.

VOICE ICs

MSM6295
MSM6258
MSM5205
MSM6585
MSM6378A, MSM6379
MSM6388, MSM6588, MSM6688 (MSM6595A, MSM6596A, MSM6597A)
MSM6650 family (MSM6650, MSM6652A, MSM6653A, MSM6654A, MSM6655A, MSM6656A,
                MSM66P54, MSM66P56*)
MSM6789A (MSM6595A, MSM6596A, MSM6597A)
MSM9802, MSM9803, MSM9805, MSM98P05*
MSM9810*, MSM9888L*, MSM9836*, MSM9841*, MSM9842*

Note: The * mark indicates a device under development.

FUNCTIONS

Sampling frequency : 4 to 48kHz (0.1kHz step)
ADC   : 12 bits
LPF   : −48dB/oct
Input   : WAVE FILE
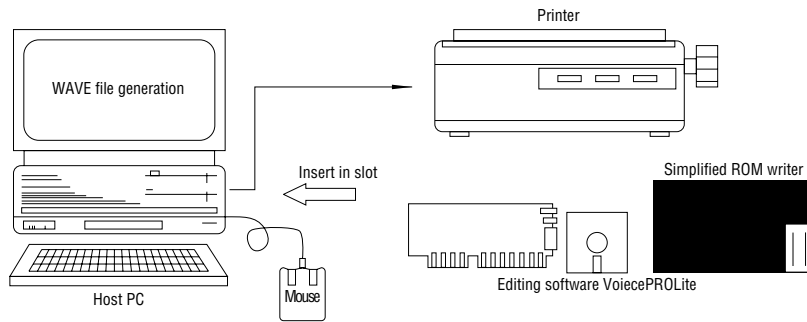Output   : SP/LINE (mono)
ROM writer   : 256k to 8Mbit general PROM
                  M6378A, M63P74, M66P54, M98P05, (M66P56)
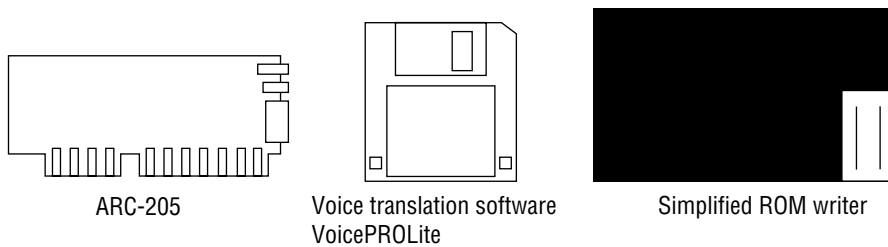Editing software : VoicePROLite (tentatively named) (WINDOWS95)
Voice   : PCM, ADPCM, SBC, ADPCM2

COMPONENTS OF VOICE ANALYSIS SYSTEM

SUPPLY SYSTEM

AR205

ARC-205

Voice translation software
VoicePROLite

Simplified ROM writer

COMPARISON OF DIFFERENT DEVELOPMENT TOOLS

		AR762	AR204	AR205
Software name		VoicePRO	VoicePRO2	VoicePROLite (tentatively named)
Components	MAIN Board	ARP-AT+ (option)*[1]	PC Board	ARC-205
	ROM Witer	ROM Witer	ARW-03	ARW-03
	Software	VoicePRO	VoicePRO2	VoicePROLite (tentatively named)
Voice input		Analog	Analog	Sound bluster
Editor		VoicePRO	VoicePRO2	Sound bluster
Stereo/Mono		Stereo/Mono	Mono	Mono
Voice output (trial hearing)		AR762	AR204	AR205
Fsam		4-48kHz	4-48kHz	4-48kHz
ADC		16bit	12bit	—
Applicable OS		DOS	Windows95	Windows95

*1 Select ADPCM Board for ADPCM voice analysis or SBC Board for SBC voice analysis.
The ADPCM Board and SBC Board cannot be used at the same time.