

VCM-SERIES Digital Voice Module Comparison Sheet for EPROM Based Page 1

Models Function / Spec	VCM-200	VCM-100	VCM-168	VCM-60S	VCM-60	VCM-20S	VCM-20	VCM-01X
Input trigger pin number	8	24	28	32	16	8	4	2
Input pin separation mode	Optics coupling component							
Watch Dog Function	Y	Y	Y	Y	Y	Y	Y	Y
Reverse side voltage protection	Y	Y	Y	Y	Y	Y	Y	Y
Quantity of EPROM IC sockets	8	5	3	3	2	1	1	1
Memory of EPROM type	1Mbit / 4Mbit / 8Mbit with jumper for selections.							1Mbit / 4Mbit
Input triggering acknowledge- with jumper selections	Low	High / Low	High / Low	High / Low	High / Low	High / Low	Low	Low
Exterior response signal	Busy signal / Stop signal (End of voice signal.)							
Power amplifier and output- with volume control	3 watt							
Power Supply	DC 12-36V 0.8A					DC 12-36V 0.5A	DC 12V 0.8A	
Sampling Rate 8k/11k/16k/22k/24k/32k Hz	Y	Y	Y	Y	Y	Y	Y	Y
Max. Total length (With 8KHz of sampling-rates calculation.)	1023 sec	639 sec	383sec	383sec	255 sec	127 sec	127sec	63sec
For better sounds - 16KHz at least	511 sec	320 sec	191 sec	191 sec	127sec	63 sec	63sec	31sec
Max. capacity for messages (Use Binary decode input)	255 messages							2 messages. (Direct Mode)
Max. capacity for digital voice files	160 files {Edit and arrange via TrueWave software}							
Attributes for each message	Edge / Level, Hold / Unhold, Non Interrupt Trigger / Interrupt Trigger (All of messages are set independently.)							
VCM-series software tools	TrueWave voice editing software / Rom-Link software							
PCB Dimension (mm)	176 x 118	174 x 127	174 x 127	173 x126	146 x 103	118 x 87	103 x 80	106 x 78
Metal box	Y	Y	Y	N	N	Y (horn in -case)	N	N

VCM-SERIES Digital Voice Module Comparison Sheet for EPROM-CF Card Based Page 3

Models					
Function / Spec.	VCM-100	VCM-168	VCM-60	VCM-CF360	VCM-CF380
Input trigger pin number	24	28 / 32 (Molex- Connector)	16	8	28 / 32 (Molex- Connector)
Input Trigger pin with- Optics coupling component	Y	Y	Y	Y	Y
Watch Dog Function	Y	Y	Y	Y	Y
Quantity of EPROM IC sockets	5	3	2	Compact Flash Card	
Memory of EPROM type	4 M / 8M Bits			4M – 2G Bytes	
Input triggering acknowledge- with jumper selections	High / Low	High / Low	High / Low	Low	Low/High
Exterior response signal Busy signal / End of voice signal	Y	Y	Y	Y	Y
Power amplifier and output- with volume control	3 watt			5 Watt	
Power Supply	DC 12-36 V / 0.8A			DC 12-36 V / 1A	
Sampling Rate 8/11/16/22/24/32KHz	Y	Y	Y	Y	Y
Sampling Rate Up to 44.1kHz	N	N	N	Y	Y
Format 8 / 16 bits (Mono)	8 bits			8 / 16 bits	
Max. Total length (With 8KHz of sampling- rates calculation)	639 seconds	383 seconds	255 seconds	X	X
Nice sounds is 16KHz at least As above for EPROM Based only	320 seconds (8Mbx5)	191 seconds (8Mb x 3)	127seconds (8Mb x 2)	X	X
Max. Total length With 44.1Khz/8bits of sampling	N	N	N	23600 seconds (Flash memory : 1Gbyte)	
Rate calculation Best sounds is 44.1KHz/16 bits	N	N	N	11800 seconds	
RTCC Mode. (Auto Schedule Announcer)	N	N	N	N	Yes Time saving inside

VCM-SERIES Digital Voice Module Comparison Sheet for EPROM-CF Card Based Page 4

Models					
Function / Spec.	VCM-100	VCM-168	VCM-60	VCM-CF360	VCM-CF380
Max. Quantity of message (With Serial Mode input use)	255 messages		1024 messages		
Max. Quantity of file (Operate via Rom/CF Link)	160 files			1024 files	
VCM-SERIES software	Y	Y	Y	Y	Y
Triggering mode support ↓	Max. message output. (All selections for modes are set via ROM/CF-link software.) ↓				
Direct Single mode	24	28 / 32	16	8	28 / 32
Circulating mode	24	28 / 32	16	8	28 / 32
Binary code mode (with strobe)	254		127		254
Binary Parallel Mode (without strobe)	254			254	
Serial Mode	254		254		
Serial encapsulation mode	254			254	
Binary Mode (with strobe)	Binary:254 Single: 14	Binary:254 Single: 23	N	N	Binary:254 Single: 23
Binary + Single Mode (with strobe)	Binary:254 Single: 15	Binary:254 Single: 23	N	N	Binary:254 Single: 23
Serial baud rate 2400/4800/9600 bps, N, 8,1	Y	Y	Y	Y	Y
Serial baud rate level RS-232 / TTL with ASC II	N	N	N	1024	7423
PCB Dimension (m/m)	174 x 127	174 x 127	146 X 103	157 x 94	174 x 137
Metal box	Y	Y	N	Y	Y