	ACS LaserWave	Adaptec	Adaptec SCSI	Advanced Gravis	Antex Z1e
	Nucleus 16	AudioEdge	AudioMachine	UltraSound Max	Antex 21e
List price	\$79.00	\$249.00	\$349.00	\$249.00	\$595.00
General Features					
Maximum sampling rate (kHz)	44.1	44.1	44.1	48	48
Sound chip set	ESS 688F	Crystal Semi- conductor 4248	Crystal Semi- conductor 4248	ICS GF1	Crystal Semi- conductor 4216
Manufacturer of on-board DSP	N/A(1)	Analog Devices	Analog Devices	ICS	Texas Instruments
Amplifier (watts per channel)	4	4	4	4	N/A(1)
IRQ levels supported	2, 5, 7, 10	2 or 9, 3, 5, 7, 10–12	2 or 9, 3, 5, 7, 10–12	2–5, 7, 9–11, 12, 15	2, 3, 5, 7, 10, 11
Number of selectable addresses	4	4	4	6	4
User can set all IRQs and DMAs via software	n	n	n	у	n
Compatibility built into hardware or software:					
Ad Lib	Hardware	Hardware	Hardware	Software	Hardware
Creative Labs Sound Blaster	Hardware	Hardware	Hardware	Software	N/A(1)
Microsoft Windows Sound System	Both	Hardware	Hardware	Software	Software
Roland MPU-401	N/A(1)	Hardware	Hardware	Software	Hardware
Compression support built into hardware or software:					
ADPCM	Hardware	Software	Software	Hardware	Hardware
A-Law	N/A(1)	N/A(1)	N/A(1)	Hardware	N/A(1)
Mu-Law	N/A(1)	N/A(1)	N/A(1)	Hardware	N/A(1)
MPEG compression	N/A(1)	N/A(1)	N/A(1)	N/A(1)	Hardware
MPEG decompression	N/A(1)	N/A(1)	N/A(1)	N/A(1)	Hardware
MIDI Synthesizer	14/74(1)	14/71(1)	1471(1)	14/71(1)	riaidwaic
MIDI synthesizer chip	Yamaha OPL3	Analog Devices DSP 2115	Analog Devices DSP 2115	ICS GF1	Yamaha OPL3
Synthesizer type	FM (wavetable option, \$99)	FM, wavetable	FM, wavetable	Wavetable	FM (wavetable option, \$195)
Number of operators for FM synthesis	4	2	2	N/A(1)	4
Provides MIDI interface/Supports General MIDI	уу	у у	уу	у у	уу
Number of channels for recording/playback	16, 16	16, 16	16, 16	2, 34	16, 16
Number of MIDI instruments provided	175	128	128	192	128
Storage location	Hard disk	On-board ROM	On-board ROM	Hard disk	On-board ROM
Number of simultaneously supported instruments	20	32	32	32	16
Number of voices	20	32	32	32	20
3-D sound technology	None	None	None	None	None
Mixing Capabilities	INOTIC	INOTIC	INOTIC	INOTIC	INOTIC
Mixes audio from:					
			- L		l., .,
CDs/Microphone	уу	уу	уу	уу	уу
PC internal speaker/Stereo DAC Stereo line-in/Stereo synthesizer	уу	n n	n n	n y	n y
Connectors and Ports	у у	у у	у у	у у	у у
CD-ROM drive interfaces	Proprietary Mitsumi, Panasonic, Sony; optional SCSI connector, \$29	SCSI-2	SCSI-2	Proprietary Mitsumi, Panasonic, Sony	SCSI-1
Joystick/Variable line-out	уу	уу	уу	уу	y n
Microphone/Low-level line-out	уу	уу	уу	уу	y n
Low-level line-in	V	V	y	УУ	у
Technical Support	ľ	Í	ľ	<u> </u>	
Toll-free technical support	V	v	V	n	v
Technical-support hours (eastern time)	12:00–8:00 M–F	9:00–8:00 M–F	9:00–8:00 M–F	11:00-7:30 M-F	12:00-8:00 M-F
Warranty	2 years N/A(1)—Not applicable: The product does not have this feature.	5 years	5 years	3 years	1 year

	Aztech WaveRider	Best Data ACE 5000	Boca Sound-	Creative Labs Sound
	32+		Expression 14.4VSp	Blaster 16 Value Edition
List price	\$199.00	\$299.00	\$199.00	\$139.95
General Features	,	<u>'</u>	<u> </u>	<u> </u>
Maximum sampling rate (kHz)	48	44.1	44.1	44.1
Sound chip set	Aztech AZT2316A	IBM Mwave	Crystal Semi- conductor 4231, Opti Media 929	Proprietary Creative Labs
Manufacturer of on-board DSP	N/A(1)	IBM	N/A(1)	Creative Labs
Amplifier (watts per channel)	4	N/A(1)	4	4
IRQ levels supported	2, 5, 7, 10	3–5, 10, 11, 15	5, 7, 10, 11	2, 5, 7, 10
Number of selectable addresses	2	2	4	4
User can set all IRQs and DMAs via software	у	n	n	n
Compatibility built into hardware or software:				
Ad Lib	Hardware	N/A(1)	Both	Hardware
Creative Labs Sound Blaster	Hardware	Software	Both	Hardware
Microsoft Windows Sound System	Hardware	Software	N/A(1)	N/A(1)
Roland MPU-401	Hardware	N/A(1)	Hardware	Hardware
Compression support built into hardware or software:				
ADPCM	Hardware	Software	Hardware	Software
A-Law	Hardware	N/A(1)	Hardware	Software
Mu-Law	Hardware	N/A(1)	Hardware	Software
MPEG compression	N/A(1)	N/A(1)	N/A(1)	N/A(1)
MPEG decompression	Software	N/A(1)	N/A(1)	N/A(1)
	Soitware	IN/A(I)	IN/A(I)	IN/A(I)
MIDI Synthesizer MIDI synthesizer chip	ICC Way a Franch	IBM Mwave	Vamaha ODLO	Verseles ODLO
	ICS WaveFront, Yamaha OPL3		Yamaha OPL3	Yamaha OPL3
Synthesizer type	FM, wavetable	Wavetable	FM	FM
Number of operators for FM synthesis	4	N/A(1)	4	4
Provides MIDI interface/Supports General MIDI	уу	n y	уу	уу
Number of channels for recording/playback	16, 16	2, 2	16, 16	16, 16
Number of MIDI instruments provided	128	128	128	128
Storage location	On-board ROM	Hard disk	Hard disk	Hard disk
Number of simultaneously supported instruments	32	8	20	20
Number of voices	32	8	20	20
		None	None	None
3-D sound technology Mixing Capabilities	Optional SRS, \$39	INUTE	INOTIE	INOTIE
Mixes audio from:				
CDs/Microphone				
	уу	уу	уу	уу
PC internal speaker/Stereo DAC Stereo line-in/Stereo synthesizer	уу	уу	n y	уу
Connectors and Ports	уу	уу	уу	у у
CD-ROM drive interfaces	IDE; proprietary Mitsumi, Panasonic, Sony	Proprietary Panasonic; TEAC SuperQuad 4X	IDE; proprietary Mitsumi, Panasonic, Sony	Proprietary Panasonic
Joystick/Variable line-out	уу	n n	уу	уу
Microphone/Low-level line-out	у у	у у	у у	уу
Low-level line-in	у	у	у	у
Technical Support				The state of the s
Toll-free technical support Technical-support hours (eastern time)	y 11:00–8:00 M–F	8:00-4:30 M-F	n 8:00–6:30 M–F	n 9:00 A.M1 A.M. 7 days
Warranty	1 year	2 years	5 years	1 year

	Creative Lahs Sound	Creative Labs Sound	Ensonia Soundscane	Genna AudioBlitz 3F
	1	1	Ensuring Souriuscape	Gerioa Audiobiliz SL
	Blaster AWE32 Value	Blaster AWE32		
	Edition			
List price	\$329.00	\$399.00	\$219.00	\$179.00
General Features				
Maximum sampling rate (kHz)	44.1	44.1	44.1	48
	E-mu 8000	E-mu 8000		
Sound chip set	E-mu 8000	E-mu 8000	Ensoniq OTTO	Opti Media 929
Manufacturer of on-board DSP	E-mu	E-mu	N/A(1)	N/A(1)
	\ .	ļ	1.1/4//	ļ
Amplifier (watts per channel)	4	4	N/A(1)	4
RQ levels supported	2, 5, 7, 10	2, 5, 7, 10	2, 5, 7, 10	5, 7, 11
Number of selectable addresses	4	4	5	2
User can set all IRQs and DMAs via software	n	n	n	n
Compatibility built into hardware or software:		11	The second secon	
	Hardware	Lleudineus	Deth	Detle
Ad Lib	Hardware	Hardware	Both	Both
Creative Labs Sound Blaster	Hardware	Hardware	Both	Both
Microsoft Windows Sound System	N/A(1)	N/A(1)	Both	N/A(1)
Roland MPU-401	Hardware	Hardware	Both	Both
Compression support built into hardware or				
software:				
	Coffware	Llordworo	Coffuero	Coffuero
ADPCM	Software	Hardware	Software	Software
A-Law	Software	Hardware	Hardware	Software
Mu-Law	Software	Hardware	Hardware	Software
MPEG compression	N/A(1)	N/A(1)	N/A(1)	N/A(1)
MPEG decompression	N/A(1)	N/A(1)	N/A(1)	N/A(1)
	IV/A(1)	IN/A(I)	IN/A(I)	IN/ / (I)
MIDI Synthesizer				
MIDI synthesizer chip	E-mu 8000, Yamaha OPL3	E-mu 8000, Yamaha OPL3	Ensoniq OTTO	Yamaha OPL3
Synthesizer type	FM, wavetable	FM, wavetable (wavetable upgrade, \$249)	FM, wavetable	FM (wavetable option, \$99)
Number of operators for FM synthesis	4	4	4	4
Provides MIDI interface/Supports General			<u> </u>	
	уу	у у	у у	уу
MIDI				
Number of channels for recording/playback	16, 16	16, 16	16, 16	2, 2
Number of MIDI instruments provided	128	128	128	128
Storage location	On-board ROM	On-board ROM	On-board ROM	Hard disk
Number of simultaneously supported nstruments	16	16	16	20
Number of voices	32	32	32	20
			 	
3-D sound technology	Q-Sound	Q-Sound	None	SRS
Mixing Capabilities				
Mixes audio from:				
CDs/Microphone	уу	уу	уу	уу
PC internal speaker/Stereo DAC	уу	уу	n y	уу
Stereo line-in/Stereo synthesizer	уу	уу	уу	уу
Connectors and Ports	J J	J J	J J	J J
CD-ROM drive interfaces	Proprietary Mitsumi, Panasonic, Sony	Proprietary Mitsumi, Panasonic, Sony	Proprietary Mitsumi, Panasonic, Sony	IDE; proprietary Mitsumi, Panasonic, Sony
Joystick/Variable line-out	уу	у у	y n	уу
Microphone/Low-level line-out	уу	уу	n y	у у
_ow-level line-in	у	у	у	у
Technical Support				
Toll-free technical support	n	n	n	n
an mod todininour BUDDOIL	9:00 A.M.–1 A.M. 7	9:00 A.M1 A.M. 7 days	8:30–5:30 M–F	11:00-8:00 M-F
Technical-support hours (eastern time)	days			

	IIO/E Oi	II it I- O IM	Maratia Maratia	IAA U - Andre - A U - Andre
	KYE Genius		MediaMagic	Mediatrix Audiotrix
	SoundMaker	Wave	Telemetry-32	Pro
	16E/Value Edition			
List price	\$99.95	\$249.00	\$299.00	\$295.00
General Features				
Maximum sampling rate (kHz)	44.1	44.1	44.1	48
Sound chip set	ESS 688F	Media Vision Jazz 16	AT&T 3210	Crystal Semi- conductor 4231
Manufacturer of on-board DSP	N/A(1)	N/A(1)	AT&T	Crystal Semi- conductor
Amplifier (watts per channel)	2	4	4	4
IRQ levels supported	5, 7, 9, 10	2, 3, 5, 7, 10, 15	5, 7, 9–11, 15	7, 9–11
Number of selectable addresses	4	4	4	4
User can set all IRQs and DMAs via software	ln	V	v	V
Compatibility built into hardware or software:				
Ad Lib	Hardware	Hardware	Both	Hardware
Creative Labs Sound Blaster				<u> </u>
	Hardware	Hardware	Software	Hardware
Microsoft Windows Sound System	N/A(1)	N/A(1)	Software	Hardware
Roland MPU-401	N/A(1)	Hardware	Hardware	Hardware
Compression support built into hardware or software:				
ADPCM	Hardware	Hardware	Software	Hardware
A-Law	N/A(1)	Hardware	Software	Hardware
Mu-Law	N/A(1)	Hardware	Software	Hardware
MPEG compression	N/A(1)	N/A(1)	Software	N/A(1)
			1	
MPEG decompression	N/A(1)	N/A(1)	Software	N/A(1)
MIDI Synthesizer				
MIDI synthesizer chip	Yamaha OPL3	Yamaha OPL4	AT&T 3210	Yamaha OPL4
Synthesizer type	FM	FM, wavetable	FM, wavetable	FM, wavetable
Number of operators for FM synthesis	4	4	4	4
Provides MIDI interface/Supports General	уу	уу	уу	уу
MIDI	уу	уу	уу	уу
	<u> </u>	\ <u></u>	10 10	00.00
Number of channels for recording/playback	4, 4 128	5, 5	10, 10 128	32, 32
Number of MIDI instruments provided		128		128
Storage location	On-board ROM	On-board ROM	On-board ROM	On-board ROM
Number of simultaneously supported	4	20	24	32
instruments				
Number of voices	16	44	20	44
3-D sound technology	None	None	None	Optional SRS, \$90
Mixing Capabilities				
Mixes audio from:				
CDs/Microphone	VV	VV	v v	VV
PC internal speaker/Stereo DAC	y y	уу	n n	уу
	n y	уу	<u> </u>	n n
Stereo line-in/Stereo synthesizer	уу	уу	уу	у у
Connectors and Ports CD-ROM drive interfaces	Proprietary Mitsumi, Panasonic, Sony	Proprietary SCSI	IDE; proprietary Mitsumi, Panasonic, Sony	Optional connec- tors: proprietary Mitsumi, Pana- sonic Sony, \$30; SCSI-2, \$48; Phil- ips CM206,\$55
Joystick/Variable line-out	уу	уу	уу	уу
Microphone/Low-level line-out	уу	уу	уу	
Low-level line-in	V	V		уу
Technical Support	y	y	У	J .
	n	h	l .	n
Toll-free technical support Technical-support hours (eastern time)	8:00-5:00 M-F	24 hours, 7 days	Y 7:00 A.M 1:00 A.M. M-F	9:00-5:00 M-F
Warranty	1 year	3 years	1 year	1 year

	Madia Visian	Madia Visian Dra 2 D	mireCound DCM 1	Multiwaya Audiawaya
	Media Vision	Media Vision Pro 3-D	I .	Multiwave Audiowave
	Premium 3-D		PRO	Green 16
List price	\$199.00	\$379.00	\$229.00	\$99.00
General Features				
Maximum sampling rate (kHz)	48	48	44.1	44.1
Sound chip set	Media Vision	Media Vision	Crystal Semi-	ESS 688F
'	MVD1216	MVD1216	conductor 4231	
Manufacturer of on-board DSP	N/A(1)	N/A(1)	N/A(1)	N/A(1)
Amplifier (watts per channel)	1–4	1–4	4	4
IRQ levels supported	1, 3, 5, 7, 11, 15	1, 3, 5, 7, 11, 15	7, 9–11	2, 5, 7, 10
Number of selectable addresses	6	6	4	4
User can set all IRQs and DMAs via software	V	V	v	n
Compatibility built into hardware or software:				
Ad Lib	Software	Software	Hardware	Hardware
Creative Labs Sound Blaster	Software	Software	Hardware	Hardware
	Software	Software		Both
Microsoft Windows Sound System Roland MPU-401	- 	Software	Hardware	
	Software	oulware	Software	N/A(1)
Compression support built into hardware or software:				
ADPCM	Hardware	Hardware	Hardware	Hardware
A-Law	Hardware	Hardware	Hardware	N/A(1)
Mu-Law	Hardware	Hardware	Hardware	N/A(1)
MPEG compression	N/A(1)	N/A(1)	N/A(1)	N/A(1)
MPEG decompression	N/A(1)	N/A(1)	N/A(1)	N/A(1)
MIDI Synthesizer				
MIDI synthesizer chip	Yamaha OPL3	Korg wavetable, Yamaha OPL3	Yamaha OPL4	Yamaha OPL3
Synthesizer type	FM (wavetable option, \$199)	FM, wavetable	FM, wavetable	FM (wavetable option, \$79)
Number of operators for FM synthesis	4	4	4	4
Provides MIDI interface/Supports General	уу	уу	уу	уу
MIDI	, ,) <i>)</i>	, ,	, ,
Number of channels for recording/playback	16, 16	16, 16	32, 32	16, 16
Number of MIDI instruments provided	128	128	128	175
Storage location	On-board ROM	On-board ROM	On-board ROM	Hard disk
Number of simultaneously supported	20	20	32	20
, , , ,	20	20	32	20
instruments	00	000	4.4	100
Number of voices	20	32	44	20
3-D sound technology	SRS	SRS	None	None
Mixing Capabilities				
Mixes audio from:				
CDs/Microphone	уу	уу	уу	уу
PC internal speaker/Stereo DAC	n n	n n	уу	уу
Stereo line-in/Stereo synthesizer	уу	уу	уу	уу
Connectors and Ports	i -	i .		<u> </u>
CD-ROM drive interfaces	SCSI-2; proprietary Mitsumi, Panasonic, Sony	SCSI-2	IDE; proprietary Mitsumi, Panasonic, Sony	Proprietary Mitsumi, Panasonic, Sony; optional SCSI connector, \$25
Joystick/Variable line-out	уу	уу	уу	уу
Microphone/Low-level line-out	уу	уу	уу	уу
Low-level line-in	у	у	у	у
Technical Support				
Toll-free technical support	V	V	n	n
Technical-support hours (eastern time)	9:00–11:00 M–F, 11:00–7:00 Sat.–Sun.	9:00–11:00 M–F, 11:00–7:00 Sat.–Sun.	10:00-9:00 M-F	10:00-9:00 M-F
Warranty	3 years	3 years	2 years	1 year
•				

	Now Modis	Orohid CoundMour	Orobid CoundMous	Dayool CoundEV
	New Media	Orchid SoundWave	Orchid SoundWave	Reveal SoundFX
	.WAVjammer	32 Pro SCSI	32+ Studio	
List price	\$399.00	\$279.00	\$399.00	\$69.99
General Features				
Maximum sampling rate (kHz)	44.1	48	48	44.1
Sound chip set	Crystal Semi-	Analog Devices DSP-	Analog Devices DSP-	Reveal proprietary
	conductor 4248	2115	2115	
Manufacturer of on-board DSP	N/A(1)	Analog Devices	Analog Devices	N/A(1)
Amplifier (watts per channel)	N/A(1)	4	4	4
RQ levels supported	0–15	3–5, 7, 9–12	3–5, 7, 9–12	2, 5, 7, 9, 11, 15
Number of selectable addresses	N/A(2)	8	8	2
User can set all IRQs and DMAs via software	У	y	у	у
Compatibility built into hardware or software:				
Ad Lib	Software	Both	Both	Both
Creative Labs Sound Blaster	N/A(1)	Hardware	Hardware	Both
Microsoft Windows Sound System	Software	Hardware	Hardware	Both
Roland MPU-401	N/A(1)	Both	Both	N/A(1)
Compression support built into hardware or	114/1(1)	123011	2001	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
compression support built into nardware or software:				
ADPCM	Poth	Poth	Poth	Hardwara
	Both	Both	Both	Hardware
A-Law	Both	Hardware	Hardware	Hardware
Mu-Law	Both	Hardware	Hardware	Hardware
MPEG compression	N/A(1)	N/A(1)	N/A(1)	N/A(1)
MPEG decompression	N/A(1)	N/A(1)	N/A(1)	N/A(1)
MIDI Synthesizer				
MIDI synthesizer chip	Yamaha OPL3	Analog Devices DSP 2115	Analog Devices DSP 2115	Reveal proprietary
Synthesizer type	FM	FM, wavetable (wavetable upgrade, \$129–\$219)	FM, wavetable	FM
Number of operators for FM synthesis	4	8	2	4
Provides MIDI interface/Supports General	n y	уу	уу	y n
MIDI	l <i>y</i>))	, ,	J,
Number of channels for recording/playback	6, 6	16, 16	16, 16	4, 4
Number of MIDI instruments provided	128	208	722	128
Storage location	On-board ROM	On-board ROM	On-board ROM	On-board ROM
Number of simultaneously supported	20	16	32	4
instruments				
Number of voices	20	32	56	20
3-D sound technology	None	Q-Sound	Q-Sound	None
Mixing Capabilities				
Mixes audio from:				
CDs/Microphone	уу	уу	уу	уу
PC internal speaker/Stereo DAC	n y	n n	n n	уу
Stereo line-in/Stereo synthesizer	y n	уу	уу	уу
Connectors and Ports				
CD-ROM drive interfaces	None	SCSI; proprietary Mitsumi	SCSI; proprietary Mitsumi	Proprietary Mitsumi, Panasonic, Sony
Joystick/Variable line-out	n n	уу	уу	уу
Microphone/Low-level line-out	уу	у у	уу	уу
_ow-level line-in	у	у	у	у
Technical Support				
Toll-free technical support	n	n	n	у
Technical-support hours (eastern time)	9:00-9:00 M-F	10:00-8:00 M-F	10:00-8:00 M-F	24 hours, 7 days
Warranty	Lifetime	4 years	4 years	1 year

	Reveal SoundFX	Turtle Beach Monte	Turtle Beach Tropez	Turtle Beach
	Wave	Carlo	Turtie Beach Tropez	MultiSound Monterey
List price	\$160.00	\$149.00	\$249.00	\$399.00
General Features	ψ.σοισσ	ψ. 10100	142 10100	1
Maximum sampling rate (kHz)	44.1	48	48	44.1
Sound chip set	Reveal proprietary	Crystal Semi-	Crystal Semi-	Turtle Beach
Sound only set	nevear proprietary	conductor 4231	conductor 4231	proprietary
Manufacturer of on-board DSP	N/A(1)	N/A(1)	N/A(1)	Motorola
Amplifier (watts per channel)	N/A(1)	4	N/A(1)	N/A(1)
IRQ levels supported	2, 5, 7, 9–11	2, 5, 7, 9, 11	2, 5, 9–12, 15	5, 7, 9–12, 15
Number of selectable addresses	4	5	5	6
User can set all IRQs and DMAs via software	V	V	V	У
Compatibility built into hardware or software:				
Ad Lib	Both	Hardware	Hardware	N/A(1)
Creative Labs Sound Blaster	Both	Hardware	Hardware	N/A(1)
Microsoft Windows Sound System	Both	Hardware	Hardware	Hardware
Roland MPU-401	Both	N/A(1)	Hardware	N/A(1)
Compression support built into hardware or		1 1/1(1)	I I I I I I I I I I I I I I I I I I I	1.47.1(1)
software:				
ADPCM	Hardware	Hardware	Hardware	Hardware
A-Law	Hardware	Hardware	Hardware	N/A(1)
	1			
Mu-Law	Hardware	Hardware	Hardware	N/A(1)
MPEG compression	N/A(1)	N/A(1)	N/A(1)	N/A(1)
MPEG decompression	N/A(1)	N/A(1)	N/A(1)	N/A(1)
MIDI Synthesizer				
MIDI synthesizer chip	Reveal proprietary	Yamaha OPL3	ICS WaveFront, Yamaha OPL3	ICS WaveFront
Synthesizer type	FM, wavetable	FM	FM, wavetable	Wavetable
Number of operators for FM synthesis	4	4	4	N/A(1)
Provides MIDI interface/Supports General	уу	уу	уу	уу
MIDI	, ,	, ,	, ,	, ,
Number of channels for recording/playback	4, 4	16, 32	32, 48	16, 48
Number of MIDI instruments provided	228	128	128	128
Storage location	On-board ROM	Hard disk	On-board ROM	On-board ROM
Number of simultaneously supported instruments	24	32	32	32
Number of voices	24	32	32	32
	None	None	None	None
3-D sound technology	INOTIE	INOTIE	INOTIE	INOTIE
Mixing Capabilities				
Mixes audio from:				
CDs/Microphone	у у	уу	у у	у у
PC internal speaker/Stereo DAC	уу	n y	n y	n y
Stereo line-in/Stereo synthesizer	уу	уу	уу	уу
Connectors and Ports CD-ROM drive interfaces	IDE, proprietary Mitsumi, Panasonic, Sony	Proprietary Mitsumi, Panasonic, Sony	IDE	None
Joystick/Variable line-out	y n	уу	y n	n n
Microphone/Low-level line-out	уу	уу	уу	n y
Low-level line-in	у	у	у	у
Technical Support				
Toll-free technical support	у	n	n	n
Technical-support hours (eastern time)	24 hours, 7 days	9:00–6:00 M–F	9:00–6:00 M–F	9:00-6:00 M-F
Warranty	1 year	1 year	1 year	1 year