

LiteOn Optical Drives Table V1.4 by Blackened2687

Special thanks to KTL for his LiteOn table, C0deKing and Liggy for their firmware/EEPROM tools, czary2mary, cvs, jadburner, Sunfish, anywhere, Dee, 2601, Kenshin, vroom, zak7, Stereodude, bilditup1 and many other members and reviewers from CDFreaks/MyCE, CDRinfo.pl and iXBT for info about drives hardware and firmware/EEPROM dumps

Model	F/W	Chipset	Buffer	Interface	Type	Special Features	Clones	OEM	Notes	OPU
LDW-401S	ES0M	MT1818E / MT1816E	2048 kiB	PATA	DVD±RW			LiteOn LDW-811S	4x DVD+R/RW, no DVD-R/RW	SF-DB10SA
LDW-411S	FS0K	MT1818E / MT1816E	2048 kiB	PATA	DVD±RW			LiteOn LDW-811S	4x DVD+R/RW, 4x DVD-R/RW	SF-DB10SA
LDW-811S	HS0R	MT1818E / MT1816E	2048 kiB	PATA	DVD±RW		TEAC DV-W58G		8x/4x DVD+R/RW, 4x DVD-R/RW	SF-DB10SA
LDW-451S	GSBC	MT1818E / MT1816E	2048 kiB	PATA	DVD±RW			LiteOn SOHW-832S	4x DVD+R/-R, no DVD+R DL	SF-DB10SL
LDW-851S	GS0P	MT1818E / MT1816E	2048 kiB	PATA	DVD±RW			LiteOn SOHW-832S	8x/4x DVD+R/-R, no DVD+R DL	SF-DB10SL
SOHW-812S	US0S	MT1818E / MT1816E	2048 kiB	PATA	DVD±RW		Sony DW-U18A, TEAC DV-W58G-A	LiteOn SOHW-832S	8x DVD+R/-R, no DVD+R DL	SF-DB10SL
SOHW-832S	VS0M	MT1818E / MT1816E	2048 kiB	PATA	DVD±RW		HP dvd530r, Sony DRU-700A / DW-D18A		8x DVD+R/-R, 2.4x DVD+R DL	SF-DB10SL
SOHW-1213S	TS0J	MT1828E / MT1816E	2048 kiB	PATA	DVD±RW		Sony DW-U20A, TDK 1280B, TEAC DV-W512G	LiteOn SOHW-1653S	12x/8x DVD+R/-R, no DVD+R DL	SF-DB11B
SOHW-1613S	AS06	MT1828E / MT1816E	2048 kiB	PATA	DVD±RW		Sony DW-U21A	LiteOn SOHW-1653S	16x/8x DVD+R/-R, no DVD+R DL	SF-DB11B
SOHW-1633S	BS0Y	MT1828E / MT1816E	2048 kiB	PATA	DVD±RW		HP dvd630r, Sony DRU-710A / DW-D22A, TEAC DV-W516G	LiteOn SOHW-1653S	16x/8x DVD+R/-R, 2.4x DVD+R DL	SF-DB11B
SOHW-1653S	CS0T	MT1828E / MT1816E	2048 kiB	PATA	DVD±RW		Sony DW-D23A, TEAC DV-W516GA		16x/12x DVD+R/-R, 4x DVD+R DL	SF-DB11B
SOHW-1673S	JS0D	MT1828E / MT1816E	2048 kiB	PATA	DVD±RW		HP dvd635d, Sony DRU-720A / DW-D26A, TEAC DV-W516GB	LiteOn SOHW-1693S	No DVD-R DL support	SF-DB11NXL
SOHW-1693S	KS0B	MT1828E / MT1816E	2048 kiB	PATA	DVD±RW		Sony DRU-800A / DW-Q28A		4x DVD-R DL	SF-DB11NXL
SHW-1635S	YS0Z	MT1888E	2048 kiB	PATA	DVD±RW		AOpen DUW1616L, Philips SPD2400L1, Sony DW-Q30A, TEAC DV-W516GC			SF-DB15LS
SHW-16H5S	LS0W	MT1888E	2048 kiB	PATA	DVD±RW	LightScribe	Philips SPD6000L1 / DVDR1668L1, Sony DW-Q31A			SF-DB15LS
SHW-160P6S	PS0C	MT1888E	2048 kiB	PATA	DVD±RW		AOpen DUW1616L PRO, HP dvd735d, Philips SPD2401L, Sony DW-Q120A, TEAC DV-W516GD	LiteOn SHM-165P6S	No DVD-RAM support	SF-DS10L
SHW-160H6S	CS08	MT1888E	2048 kiB	PATA	DVD±RW	LightScribe	HP dvd740r	LiteOn SHM-165H6S	No DVD-RAM support	SF-DS10L
SHM-165P6S	MS0R	MT1888E	2048 kiB	PATA	DVD±RW		AOpen DSW1685L, Philips SPD2410L1, Sony DW-G120A, TEAC DV-W516GDM			SF-DS10L
SHM-165H6S	HS0E	MT1888E	2048 kiB	PATA	DVD±RW	LightScribe	HP dvd840d, Philips SPD6001L, Sony DW-G121A			SF-DS10L
SHM-165S6S	QS02	MT1889E	2048 kiB	SATA	DVD±RW					SF-DS10L
LH-16A1P	WL08	MT1898E	2048 kiB	PATA	DVD±RW		BenQ DW1680, Sony AW-G160A / AW-Q160A	LiteOn LH-20A1P		SF-DS10HL
LH-16W1P	SL08	MT1898E	2048 kiB	PATA	DVD±RW			LiteOn LH-20A1P	No DVD-RAM support	SF-DS10HL
LH-16A1S	CL04	MT1899E	2048 kiB	SATA	DVD±RW		Sony AW-G160S / AW-Q160S			SF-DS10HL
SH-16A7S	WS04	MT1899E	2048 kiB	SATA	DVD±RW			LiteOn LH-20A1S		SF-DS10HL
SH-16A7L	ZS01	MT1899LE	2048 kiB	SATA	DVD±RW	LightScribe		LiteOn LH-20A1L		SF-DS10HL
LH-18A1P	GL0J	MT1898E	2048 kiB	PATA	DVD±RW		AOpen DSW1812P, BenQ DW1800, Philips SPD2411P, TEAC DV-W518GM	LiteOn LH-20A1P		SF-DS10HL
LH-18A1H	HL09	MT1898LE	2048 kiB	PATA	DVD±RW	LightScribe	AOpen DSW1812PL, BenQ DW1810, HP dvd940d, Philips SPD6003P	LiteOn LH-20A1H		SF-DS10HL
LH-20A1P	KL0P	MT1898E	2048 kiB	PATA	DVD±RW		AOpen DSW2012P, BenQ DW2000 (6Bxx), HP dvd1035d, Philips SPD2413P			SF-DS10HL
LH-20A1H	LL0D	MT1898LE	2048 kiB	PATA	DVD±RW	LightScribe	AOpen DSW2012PL, BenQ DW2010, HP dvd1040d, Philips SPD6004P			SF-DS10HL
LH-20A1S	9L09	MT1899E	2048 kiB	SATA	DVD±RW		BenQ DW200S, HP dvd1060d, Philips SPD2513P			SF-DS10HL
LH-20A1L	BL06	MT1899LE	2048 kiB	SATA	DVD±RW	LightScribe	AOpen DSW2012SL, HP dvd1070d, Philips SPD6104P			SF-DS10HL
DH-20A3P	XY13	MT1858L	2048 kiB	PATA	DVD±RW		Optiarc AD-7190A, Sony DRU-190A / DRU-180A, TEAC DV-W520GM			HOP-H352L / HOP-H353L
DH-20A3H	YY11	MT1858LL	2048 kiB	PATA	DVD±RW	LightScribe	Optiarc AD-7191A			HOP-H352L / HOP-H353L
DH-20A3S	9P58	MT1859L	2048 kiB	SATA	DVD±RW		AOpen DSW2012SA, Optiarc AD-7190S, Sony DRU-190S, TEAC DV-W520GS			HOP-H352L / HOP-H353L
DH-20A3L	EP5A	MT1859LL	2048 kiB	SATA	DVD±RW	LightScribe	Optiarc AD-7191S			HOP-H352L / HOP-H353L
DH-20A4P	9P59	MT1898E	2048 kiB	PATA	DVD±RW		AOpen DSW2012PA, BenQ DW2000 (9Bxx) / DW2050, Philips SPD2415P		Can use two different OPUs	SF-DS17LV / SF-DS17LS
DH-20A4H	QP5B	MT1898LE	2048 kiB	PATA	DVD±RW	LightScribe	Philips SPD6006P		Can use two different OPUs	SF-DS17LV / SF-DS17LS
N/A	---	MT1868L	2048 kiB	PATA	DVD±RW		ASUS DRW-20B1S, HP dvd1035r		Original LiteOn model doesn't exist	SF-DS18L
N/A	---	MT1868LL	2048 kiB	PATA	DVD±RW	LightScribe	ASUS DRW-20B1L, HP dvd1040r		Original LiteOn model doesn't exist	SF-DS18L
iHAS120 6	7L0M	MT1869L	2048 kiB	SATA	DVD±RW		AOpen DSW2012ST, ASUS DRW-20B1ST, BenQ DW205S, HP dvd1060r, Philips SPD2515P,		iHAS320 6 labeled as iHAS120 6 and has SE logo on the bezel	SF-DS18L
iHAS320 6	7L1T					SmartErase	Plextor PX-806SA, TEAC DV-W520GSA			SF-DS18L
iHAS220 6	8L08	MT1869LL	2048 kiB	SATA	DVD±RW	LightScribe	ASUS DRW-20B1LT, HP dvd1070r			SF-DS18L
iHAP122 8	UL06						AOpen DSW2212P, ASUS DRW-22B1S, BenQ DW2200, HP dvd1135d, Optiarc AD-7220A,			HOP-H355L
iHAP322 8	UL19	MT1858L	2048 kiB	PATA	DVD±RW		Philips SPD2418P, Plextor PX-850A, Sony DRU-860A, TEAC DV-W522GM			HOP-H355L
iHAP222 8	VL08					LightScribe				HOP-H355L
iHAP422 8	VL18	MT1858LL	2048 kiB	PATA	DVD±RW	SmartErase, LightScribe	AOpen DSW2212PL, ASUS DRW-22B1L, HP dvd1140d, Optiarc AD-7221A, Sony DRU-865A			HOP-H355L
iHAS122 8	3L05					SmartErase				HOP-H355L
iHAS322 8	3L15	MT1859L	2048 kiB	SATA	DVD±RW		AOpen DSW2212S, ASUS DRW-22B1ST, BenQ DW220S, HP dvd1160d, Optiarc AD-7220S,			HOP-H355L
iHAS222 8	4L06					LightScribe	Plextor PX-850SA, Sony DRU-860S, TEAC DV-W522GS			HOP-H355L
iHAS422 8	4L18	MT1859LL	2048 kiB	SATA	DVD±RW	SmartErase, LightScribe	AOpen DSW2212SL, ASUS DRW-22B1LT, HP dvd1170d, Optiarc AD-7221S, Sony DRU-865S			HOP-H355L
iHAP122 9	6L0H					SmartErase				HOP-H356L
iHAP322 9	6L1H	MT1868B	2048 kiB	PATA	DVD±RW		AOpen DSW2212PA, ASUS DRW-22B2S, BenQ DW220P, HP dvd1135r, TEAC DV-W522GMA			HOP-H356L
iHAP222 9	WL0N					LightScribe				HOP-H356L
iHAP422 9	WL1N	MT1868LB	2048 kiB	PATA	DVD±RW	SmartErase, LightScribe	ASUS DRW-22B2L, HP dvd1140r, Plextor PX-870A			HOP-H356L
DH-22AZS	9P56	MT1869L	2048 kiB	SATA	DVD±RW		ASUS DRW-22B2ST			SF-DS19L
iHAS122 A	DL0P	MT1879E	2048 kiB	SATA	DVD±RW			LiteOn iHAS124 A	iHAS322 A doesn't exist	SF-DS19L
iHAS222 A	EL0P					LightScribe				SF-DS19L
iHAS422 A	EL1N	MT1879LE	2048 kiB	SATA	DVD±RW	SmartErase, LightScribe		LiteOn iHAS224 A		SF-DS19L
iHAS124 A	BL0U					SmartErase				SF-DS19L
iHAS324 A	BL1P	MT1879E	2048 kiB	SATA	DVD±RW		ASUS DRW-24B1ST (1.00-1.03), BenQ DW240S, HP dvd1260d, Philips SPD2525P,		Clone drives can use both MT1879E and MT1879LE chipsets	SF-DS19L
iHAS524 A	BL2U	MT1879LE	2048 kiB	SATA	DVD±RW	LabelTag, SmartErase	Plextor PX-880SA (BP3x), TEAC DV-W524GS			SF-DS19L
iHAS224 A	ZL0P					LightScribe				SF-DS19L
iHAS424 A	ZL1P	MT1879LE	2048 kiB	SATA	DVD±RW	SmartErase, LightScribe	ASUS DRW-24B1LT, HP dvd1270d, Plextor PX-880SA (ZP3x)			SF-DS19L
iHAS624 A	ZL2U					LabelTag, SmartErase, LightScribe				SF-DS19L
iHAS124 Y	BL0X									SF-DS19S
iHAS324 Y	BL1Y	MC-10045	2048 kiB	SATA	DVD±RW		AOpen DSW2412S, HP dvd1260r		Mainboard is slightly different from Optiarc AD-5240S/7240S/7243S	SF-DS19S
iHAS224 Y	ZL0Y					LightScribe				SF-DS19S
iHAS424 Y	ZL1W	MC-10045	2048 kiB	SATA	DVD±RW	LightScribe	HP dvd1270r		Mainboard is slightly different from Optiarc AD-7241S	SF-DS19S

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Model	F/W	Chipset	Buffer	Interface	Type	Special Features	Clones	OEM	Notes	OPU
iHAP122 W iHAP322 W	LL06 LL16	MT1868LB	2048 kiB	PATA	DVD±RW	SmartErase	ASUS DRW-22B3S / DRW-22B2S b, BenQ DW22AP			SF-DS1XD
iHAP222 W iHAP422 W	7L05 7L14	MT1868LB	2048 kiB	PATA	DVD±RW	LightScribe SmartErase, LightScribe	ASUS DRW-22B3L / DRW-22B2L b, Plextor PX-L871A			SF-DS1XD
iHAS120 iHAS320	WL06 WL17	MT1839LN	1536 kiB	SATA	DVD±RW	SmartErase		LiteOn iHAS124 B	Labeled as iHAS120 B / iHAS320 B	SF-DS1XD
iHAS122 B	ZL03	MT1839LN	1536 kiB	SATA	DVD±RW			LiteOn iHAS124 B		SF-DS1XD
iHAS122 iHAS322	ZL0F ZL16	MT1839LN	1536 kiB	SATA	DVD±RW	SmartErase		LiteOn iHAS124 B	Labeled as iHAS122 B / iHAS322 B	SF-DS1XD
iHAS222 iHAS422	KL05 KL15	MT1839LN	1536 kiB	SATA	DVD±RW	LightScribe SmartErase, LightScribe		LiteOn iHAS224 B	Labeled as iHAS222 B / iHAS422 B	SF-DS1XD
iHAS124 B iHAS324 B iHAS524 B	AL0S AL1B AL2A	MT1839LN	1536 kiB	SATA	DVD±RW	SmartErase LabelTag, SmartErase	ASUS DRW-24B3ST / DRW-24B1ST a / DRW-24B1ST (1.04), BenQ DW24AS (ABxx), HP dvd1260t, Plextor PX-890SA, TEAC DV-W524GSB			SF-DS1XD
iHAS224 B iHAS424 B iHAS624 B	GL0B GL1B GL2A	MT1839LN	1536 kiB	SATA	DVD±RW	LightScribe SmartErase, LightScribe LabelTag, SmartErase, LightScribe	ASUS DRW-24B3LT, HP dvd1270t, Plextor PX-L890SA			SF-DS1XD
iHAS122 C iHAS322 C	XL0A XL16	MT1809LN	1536 kiB	SATA	DVD±RW	SmartErase		LiteOn iHAS124 C		SF-DS1X1
iHAS124 C iHAS324 C iHAS524 C	LL0H LL14 LL25	MT1809LN	1536 kiB	SATA	DVD±RW	SmartErase LabelTag, SmartErase	AOpen DSW2412SA, ASUS DRW-24B5ST / DRW-24B1ST c / DRW-24B3ST c, HP dvd1260v, Plextor PX-891SA, TEAC DV-W524GSC			SF-DS1X1
iHAS120 X	FL03	R8J32091NP	512 kiB	SATA	DVD±RW					SF-DS1X1
iHAS120 D	GL03	MT1809LN	1536 kiB	SATA	DVD±RW			LiteOn iHAS124 D		LO-DWH01M
iHAS124 D iHAS524 D	8L0A 8L25	MT1809LN	1536 kiB	SATA	DVD±RW	LabelTag, SmartErase	HP dvd1260x		iHAS324 D doesn't exist	LO-DWH01M
iHAS122 W	PL0A	R8J32091NP	512 kiB	SATA	DVD±RW			LiteOn iHAS124 W		LO-DWH02N
iHAS124 W iHAS324 W	HL0G HL1A	R8J32091NP	512 kiB	SATA	DVD±RW	SmartErase	HP dvd1265d, Plextor PX-891SAW			LO-DWH02N
iHAS122 E	2L04	MT1882N	768 kiB	SATA	DVD±RW			LiteOn iHAS124 E		LO-DWH02N
iHAS124 E iHAS324 E	4L0A 4L17	MT1882N	768 kiB	SATA	DVD±RW	SmartErase	ASUS DRW-24B1ST i / DRW-24B3ST i, BenQ DW24AS (4Bxx), HP dvd1265t, TEAC DV-W524GSD			LO-DWH02N
iHAS122 F	EL02	MT1862N	512 kiB	SATA	DVD±RW			LiteOn iHAS124 F		LO-DWH02B
iHAS124 F iHAS324 F	CL05 CL15	MT1862N	512 kiB	SATA	DVD±RW	SmartErase				LO-DWH02B
DH-401S	CP56	MT1929NBE / MT1926E	8192 kiB	SATA	BD-ROM		BenQ BR1000		REV:01, no DVD-RAM support	SF-BD410L
DH-401S	2P53	MT1929NBE / MT1926E	8192 kiB	SATA	BD-ROM		AOpen BDR0412SA		REV:02, 5x DVD-RAM reading	SF-BD410L
iHOS104	WL0G	SC6300B3	2048 kiB	SATA	BD-ROM		ASUS BR-04B2T, BenQ BR1001		Labeled as iHOS104 3	SF-BD412
iHES106 2	AL0A	MT1939USU	2048 kiB	SATA	BD-ROM/DVD±RW		ASUS BC-06B1ST, Plextor PX-B310SA			SF-BC610L
iHES206 2	6L0E	MT1939USU	2048 kiB	SATA	BD-ROM/DVD±RW	LightScribe				SF-BC610L
iHES108 2	7L09	MT1939LSU	2048 kiB	SATA	BD-ROM/DVD±RW		ASUS BC-08B1ST			SF-BC610L
iHES208 2	8L0C	MT1939LSU	2048 kiB	SATA	BD-ROM/DVD±RW	LightScribe	ASUS BC-08B1LT, HP bd240d, Plextor PX-B320SA			SF-BC610L
iHES112 3 iHES212 3	DL04 EL14	SC6330C SC6330C	2048 kiB 2048 kiB	SATA SATA	BD-ROM/DVD±RW BD-ROM/DVD±RW	LightScribe	ASUS BC-12B1ST (1.00-1.01) ASUS BC-12B1LT		REV:01, manufactured before 7/2011 REV:01, manufactured before 7/2011	SF-BC611 SF-BC611
iHES112 3 iHES312 3	ML05 ML12	SC6330C	2048 kiB	SATA	BD-ROM/DVD±RW		ASUS BC-12B1ST (1.02), Plextor PX-B330SA		REV:02, manufactured after 7/2011	SF-BC611
iHES212 3	JL03	SC6330C	2048 kiB	SATA	BD-ROM/DVD±RW	LightScribe			REV:02, manufactured after 7/2011	SF-BC611
LH-2B1S	AL0A	PNX7869EL / PNX7866EL	8192 / 2048 kiB	SATA	BD-RE		BenQ BW1000, Philips SPD7000P			? [Arima OPU]
DH-4B1S	7P5C	PNX7869EL / PNX7866EL	8192 / 2048 kiB	SATA	BD-RE		BenQ BW1001			? [Arima OPU]
iHBS112 2	CL0K	MT1939MWDU	8192 kiB	SATA	BD-RE		ASUS BW-12B1ST (1.00-1.02), Optiarc BD-5300S (1.xx), Sony BWU-500S (1.xx)		REV:01, manufactured before 7/2011	SF-BW512L
iHBS212 2	5L09	MT1939MWDU	8192 kiB	SATA	BD-RE	LightScribe	ASUS BW-12B1LT (1.00-1.02), HP bd340i, Plextor PX-LB950SA (DP3x)		REV:01, manufactured before 7/2011	SF-BW512L
iHBS112 2 iHBS312 2	PL06 PL17	MT1939MWDU	8192 kiB	SATA	BD-RE		ASUS BW-12B1ST (1.03), HP bd335i, Optiarc BD-5300S (2.xx), Plextor PX-B950SA, Sony BWU-500S (2.xx), TEAC BD-W512GSA		REV:02, manufactured after 7/2011	SF-BW512L
iHBS212 2	HL05	MT1939MWDU	8192 kiB	SATA	BD-RE	LightScribe	ASUS BW-12B1LT (1.03), Plextor PX-LB950SA (VP3x)		REV:02, manufactured after 7/2011	SF-BW512L