

Technische Spezifikationen		BD-W512GSA
Loading Type		Tray
Read speed	CD-ROM	48x(CAV)
	CD-R	48x(CAV)
	CD-RW	40x(CAV)
	CD-DA(DAE)	48x(CAV)
	Video CD	48x(CAV)
	Audio Play	16x(CAV)
	DVD-ROM	16x(CAV)
	DVD-R,+R	16x(CAV)
	DVD+R (-R)DL	12x(CAV)
	DVD-RW,(+RW)	12x(CAV)
	BD-ROM SL	8x(CAV)
	BD-ROM DL	8x(CAV)
	BD-R SL	8x(CAV)
	BD-R DL	8x(CAV)
BD-RE SL	8x(CAV)	
BD-RE DL	6x(CAV)	
Write speed	CD-R	48x(CAV) / 40x(PCAV) / 32x (PCAV) / 24x(PCAV) / 16x(CLV)
	CD-RW	24x(ZCLV) / 16x(CLV) / 10x(CLV) / 4x(CLV)
	DVD-R	16x(CAV) / 12x(PCAV) / 8x(PCAV) / 6x(CLV) / 4x(CLV)
	Double Layer	8x(ZCLV) / 6x(ZCLV) / 4x(CLV)
	DVD-RW	6x(ZCLV) / 4x(CLV) / 2x(CLV)
	DVD+R	16x(CAV) / 12x(PCAV) / 8x(PCAV) / 6x(CLV) / 4x(CLV)
Double Layer	8x(ZCLV) / 6x(ZCLV) / 4x(CLV) / 2.4x(CLV)	

	DVD+RW	8x(ZCLV) / 6x(CLV) / 4x(CLV) / 2.4x(CLV)
	BD-R SL	12x(CAV) / 10x(PCAV) / 8x(PCAV) / 6x(PCAV) / 4x(CLV) / 2x(CLV)
	BD-R DL	8x(ZCLV) / 6x(ZCLV) / 4x(CLV) / 2x(CLV)
	BD-RE SL	2x(CLV)
	BD-RE DL	2x(CLV)
Random Access Time	CD-ROM	150ms typ.
	DVD-ROM	160ms typ.
	BD-ROM	250ms typ.
Spin up Time	Spin Up Time	8sec typ.
	Start Up Time	BD-SL: 20sec typ. BD-DL: 40sec typ. DVD: 20sec typ. CD-ROM: 15sec typ.
Buffer Capacity		8M byte
Buffer under run prevention		Supported
Zero Power ODD		Supported
Current Consumption +5V/+12V (mA)	Seeking (Peak)	1200 / 800
	Spin Up (Peak)	1100 / 1650
	Idel (Average)	900 / 500
	Writing (Average)	1000 / 1000
	Standby (Average)	400 / 100
	Sleep (Average)	400 / 100
Temperature	Operating	5 to 45 deg C
	Non-Operating	-20 to 60 deg C
Humidity	Operating	20 to 80%
	Non-Operating	10 to 85%
Vibration	Operating	0.3G

	Transportation	TBD
Shock	Operating	8G-11ms during read
	Non-Operating	50G-10ms
Dimensions	W*H*D	148.4mm*42.2mm*170mm
Mass (Weight)		< 650g