

Data Sheet

Component Optical Disc Drive for FUJITSU Desktop ESPRIMO and FUJITSU Workstation CELSIUS

Within our ESPRIMO Desktop and CELSIUS Workstation portfolio we offer different optical disc drive families ranging from DVD drives to the latest generation of Blu-ray drives. The table in the data sheet contains the common data sets of the dedicated drive families and major technical details.



Technical details

OPTICAL DRIVES – COMMON FAMILY SPECIFICATIONS

Specification	DVD-ROM drive HH	Super Multi drive HH	Super Multi drive slim	BD RW drive slim
Usage				
FUJITSU ESPRIMO PC	x	x	x	x
FUJITSU CELSIUS Workstation	x	x	x	x
Physical specifications				
Interface	SATA	SATA	SATA	SATA
Transfer mode	SATA 1 (1.5 Gbits/s)	SATA 1 (1.5 Gbits/s)	SATA 1 (1.5 Gbits/s)	SATA 1 (1.5 Gbits/s)
Buffer memory	198 KB cache buffer	0.5 MB cache buffer	0.5 MB cache buffer	4 MB cache buffer
Physical dimensions (max)				
Height (mm)	5.25 inch, half height, tray	5.25 inch, half height, tray	9.5 mm / tray	9.5 mm / tray
Dimension (W x H x D)	148.0 x 42.0 x 170.0 mm with bezel	148.2 x 42 x 170 mm with bezel	128.0 x 9.5 x 127.0 mm without bezel	128.0 x 9.5 x 127mm without bezel
Orientation	horizontal or vertical	horizontal or vertical	horizontal or vertical	horizontal or vertical
Weight	570 g with bezel	610 g with bezel	130 g without bezel	120 g without bezel
Performance				
Write speeds CD				
CD-R	n.r.	Max. 40x	Max. 24x	Max. 24x
CD-RW	n.r.	Max. 24x	Max. 16x	Max. 16x
Write speeds DVD				
DVD-R	n.r.	Max. 16x	Max. 8x	Max. 8x
DVD-RW	n.r.	Max. 6x	Max. 6x	Max. 6x
DVD-R DL	n.r.	Max. 8x	Max. 6x	Max. 6x
DVD+R	n.r.	Max. 16x	Max. 8x	Max. 8x
DVD+RW	n.r.	Max. 8x	Max. 8x	Max. 8x
DVD+R DL	n.r.	Max. 8x	Max. 6x	Max. 6x
DVD-RAM	n.r.	Max. 5x	Max. 5x	Max. 5x
BD-R	n.r.	n.r.	n.r.	Max. 6x
BD-R DL	n.r.	n.r.	n.r.	Max. 6x
BD-RE	n.r.	n.r.	n.r.	Max. 2x
BD-RE DL	n.r.	n.r.	n.r.	Max. 2x

Specification	DVD-ROM drive HH	Super Multi drive HH	Super Multi drive slim	BD RW drive slim
Read speeds				
CD-ROM	Max. 48x	Max. 48x	Max. 24x	Max. 24x
CD-R	Max. 48x	Max. 48x	Max. 24x	Max. 24x
CD-RW	Max. 40x	Max. 40x	Max. 24x	Max. 24x
DVD-ROM	Max. 16x	Max. 16x	Max. 8x	Max. 8x
DVD-ROM DL	Max. 12x	Max. 12x	Max. 8x	Max. 8x
DVD-R	Max. 16x	Max. 16x	Max. 8x	Max. 8x
DVD-R DL	Max. 8x	Max. 12x	Max. 8x	Max. 8x
DVD-RW	Max. 12x	Max. 12x	Max. 8x	Max. 8x
DVD+R	Max. 16x	Max. 16x	Max. 8x	Max. 8x
DVD+R DL	Max. 8x	Max. 12x	Max. 8x	Max. 8x
DVD+RW	Max. 12x	Max. 12x	Max. 8x	Max. 8x
DVD-RAM	Max. 5x	Max. 5x	Max. 5x	Max. 5x
BD-ROM	n.r.	n.r.	n.r.	Max. 6x
BD-ROM (DL)	n.r.	n.r.	n.r.	Max. 6x
BD-R	n.r.	n.r.	n.r.	Max. 6x
BD-R (DL)	n.r.	n.r.	n.r.	Max. 6x
BD-RE	n.r.	n.r.	n.r.	Max. 6x
BD-RE (DL)	n.r.	n.r.	n.r.	Max. 6x
Average access time (typical for random access)				
CD-ROM	90 ms	120 ms	140 ms	200 ms
DVD-ROM	95 ms	145 ms	160 ms	200 ms
BD-ROM	n.r.	n.r.	n.r.	250 ms
Average access time (typical for 1/3 stroke access)				
CD-ROM	not specified	120 ms	140 ms	200 ms
DVD-ROM	not specified	145 ms	160 ms	200 ms
BD-ROM	n.r.	n.r.	n.r.	250 ms
Additional Features				
M-Disk support	yes	yes	yes	yes

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2017-03-13 EM EN

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