

White Paper

Energy Consumption

ESPRIMO D6011



In order to strengthen the leadership in implementing environmental protection regulations, Fujitsu provides all important energy information on its products. The energy efficiency test reports required by Commission Regulation (EU) No 617/2013 are publicly available. These reports have to be done with maximum configurations which are not used by the majority of customers. To give more practical and usable values, Fujitsu provides additional information on power consumption for standard configurations based on ENERGY STAR® 8 calculation.

Power Consumption and Typical Energy Consumption (ETEC) for Clients for typical standard configuration

Typical Configuration	3,5" HDD, 1x 8 GB, Slim ODD, Windows® 10™	SSD 256 GB M.2, 1x 8 GB, Slim ODD, Windows® 10™
Related Processor for power consumption	Intel® Core™ i5-10505 processor	Intel® Core™ i5-10505 processor
Power consumption notes	Power supply efficiency: 80Plus GOLD; same values for ESTAR base unit	Power supply efficiency: 80Plus PLATINUM; same values for ESTAR base unit
Power consumption: Maximum (S0*, running appl., CD in use) 1)	39.10 W	36.20 W
Power consumption: short Idle (Pshort idle) (S0, running OS, Idle-mode)	11.05 W	5.34 W
Power consumption: long Idle (Plong idle) (S0, running OS, Idle-mode)	9.23 W	4.62 W
Power consumption: Standby (Psleep) (ACPI status S3*, sleep, energy saving mode, WOL enabled)	1.14 W	0.78 W
Power consumption: Minimum (Poff) (ACPI status S5, soft off, wake up power button) 2)	0.21 W	0.15 W
Typical Energy Consumption (ETEC), ENERGY STAR® based, conventional mode, 3)	41.9 kWh/year	21.4 kWh/year
Heat dissipation, WOL enabled, conventional mode (kBTU, 1 W = 3.4121 BTU/h)	142.9 kBTU/year	72.9 kBTU/year
Heat dissipation, WOL enabled, conventional mode (MJ, 1 W = 3.6 kJ/h)	150.8 kBTU/year	76.9 MJ/year

1) The Maximum Mode is measured according to SYSTEST 32 of Fujitsu for PCs. This value gives you an indication of maximum power consumption possible and is for information only, i.e. not to be used in any ETEC calculation

2) Shipment conditions ex-factory

3) Formula used for ETEC calculation, Desktop (DT), All in One (AIO), Thin client and Notebook (NB)

$$ETEC = 8760/1000 \times (Poff \times Toff + Psleep \times Tsleep + Plong \text{ idle} \times Tlong \text{ idle} + Pshort \text{ idle} \times Tshort \text{ idle})$$

Mode weighting	Conventional DT, AIO	Conventional NB	Full Network Connectivity / Full Capability NB	Thin Client
T off	15 %	25 %	25 %	45 %
T sleep	45 %	35 %	45 %	5 %
T long idle	10 %	10 %	5 %	15 %
T short idle	30 %	30 %	25 %	35 %

More information

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