

White Paper

Energy Consumption TeamPoS 7000 S-Series Model 520

Version 1.1

In order to strengthen the leadership in implementing European 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® 6 calculation.

Fujitsu is also making a significant effort to reduce the energy consumption in data centers by delivering highest energy efficiency with PRIMERGY servers. To underline these efforts Fujitsu joined the Green Grid and Climate Savers Computing initiatives, and publishes SPECpower benchmark results for PRIMERGY servers.

A. Web addresses for information on Energy, Environment and End-of-life treatment

Fujitsu supports important information for energy, environment and End-of-life treatments on the basis of European directives and beyond. Listed below are web addresses pertaining to this topic:

Energy reports: <http://globalsp.ts.fujitsu.com/sites/certificates/default.aspx>

Energy: <http://www.fujitsu.com/fts/energy>

Environment: <http://www.fujitsu.com/fts/green>

End-of-life treatment: <http://www.fujitsu.com/fts/recycling>

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

Typical Configuration	2.5" HDD, 1x4 GB, Windows® 8™	2.5" HDD, 1x4 GB, Windows® 8™, incl. powered dual serial card
Related Processor for power consumption	Intel® Core™ i3-4570TE	Intel® Core™ i3-4570TE
Power consumption notes	ACPI S5/WOL enabled: power level 2 minutes after shut down; iAMT can be activated by WOL	ACPI S5/WOL enabled: power level 2 minutes after shut down; iAMT can be activated by WOL
Power consumption: Maximum (S0*, running appl., CD in use) 1)	31.6 W	32.2 W
Power consumption: short Idle (Pshort idle) (S0, running OS, Idle-mode)	13.3 W	15.6 W
Power consumption: long Idle (Plong idle) (S0, running OS, Idle-mode)	12 W	15.2 W
Power consumption: Standby (Psleep) (ACPI status S3*, sleep, energy saving mode, WOL enabled)	1.02 W	1.04 W
Power consumption: Minimum (ACPI status S5*, soft off, WOL enabled)	0.63 W	0.63 W
Power consumption: Minimum (Poff) (ACPI status S5, soft off, wake up power button) 2)	0.29 W	0.29 W
Typical Energy Consumption (ETEC), ENERGY STAR® 6 based 3)	58.1 kWh/year	69.4 kWh/year
Heat dissipation, WOL enabled (kBtu, 1 W = 3.4121 BTU/h)	198.4 kBtu/year	236.8 kBtu/year
Heat dissipation, WOL enabled (MJ, 1 W = 3.6 kJ/h)	209.3 MJ/year	249.8 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)

$ETE C = 8760/1000 \times (P_{off} \times T_{off} + P_{sleep} \times T_{sleep} + P_{long\ idle} \times T_{long\ idle} + P_{short\ idle} \times T_{short\ idle})$

Mode weighting	Conventional DT, AIO, Thin client	Conventional NB
T off	45 %	25 %
T sleep	5 %	35 %
T long idle	15 %	10 %
T short idle	35 %	30 %

Fujitsu in Retail

A new world is emerging, where everyone and everything is interlinked, sharing information. This hyperconnected world forms the foundation of modern retail. It is all around us and means retailing without walls for a new, empowered consumer. This is Connected Retail.

In response, Fujitsu is focusing on three core capabilities that ultimately deliver retailers a differentiated customer experience.

Retail Core Capabilities

- Innovative retail solutions – to support and future proof the customer experience in today's omni-channel world; this includes Fujitsu Market Place – our omni-channel PoS application – and new solutions from our innovation labs in around the world
- Connected enterprise – within the store, between the front and back office, and between multiple vendors to deliver a seamless and integrated customer journey, working enterprise solutions, and outcome-based enterprise services
- Global delivery – the assets and capabilities to deliver consistent cross-border solutions

More information

Learn more about Fujitsu TeamPoS 7000 S-Series Model 520, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.
www.fujitsu.com/fts

Fujitsu green policy innovation

Fujitsu Green Policy Innovation is our worldwide project for reducing burdens on the environment. Using our global know-how, we aim to contribute to the creation of a sustainable environment for future generations through IT. Please find further information at <http://www.fujitsu.com/global/about/environment>



CONTACT

FUJITSU Technology Solutions
Website: www.fujitsu.com/fts
2014-12-18 CE-EN