Technical Documentation of (EU) No 617/2013

| Product type | Desktop | computer |
|--|---|------------------|
| Product category | С | D |
| Manufacturer name, address | Acer Italy s.r.l, | |
| | Via Lepetit, 40, 20020 Lainate (MI) Italy | |
| Product model number | Veriton X4640 C; | Veriton X4640 C; |
| | Veriton X6640 C. | Veriton X6640 C. |
| Year of manufacture | | 15 |
| E _{TEC} allowance with capability | | |
| adjustments when discrete graphics cards | 202 kWh/year | 223 kWh/year |
| are disabled (from 1 July 2014) | | ., |
| E _{TEC} allowance with capability | | |
| adjustments when discrete graphics cards | 335 kWh/year | 356 kWh/year |
| are enabled (from 1 July 2014) | , | , |
| E _{TEC} allowance with capability | | |
| adjustments when discrete graphics cards | 148 kWh/year | 162 kWh/year |
| are disabled (from 1 January 2016) | | , |
| E _{TEC} allowance with capability | | |
| adjustments when discrete graphics cards | 220 kWh/year | 234 kWh/year |
| are enabled (from 1 January 2016) | | |
| Whether all discrete graphics card are | Vac | Voc |
| enabled during the test | Yes | Yes |
| Whether switchable graphics mode with | No | No |
| UMA is driving the display during the test | INO | INO |
| E _{TEC} of highest power-demanding | 105.83 kWh/year | 105.83 kWh/year |
| configuration | 103.03 KVVII/year | 105.05 KWII/yeai |
| Idle state power demand | 29.18 Watt | |
| Sleep mode power demand | 1.96 Watt | 1.96 Watt |
| Sleep mode with WOL enabled power | 2.03 Watt | 2.03 Watt |
| demand | | |
| Off mode power demand | 0.29 Watt | 0.29 Watt |
| Off mode with WOL enabled power | 0.56 Watt | 0.56 Watt |
| demand | | |
| Maximum power demand | Not applicable | Not applicable |
| Internal power supply (IPS) efficiency at | 10% - 84.78% | 10% - 84.78% |
| 10 %, 20 %, 50 % and 100 % of rated | 20% - 89.38% | 20% - 89.38% |
| output power | 50% - 92.62% | 50% - 92.62% |
| | 100% - 91.45% | 100% - 91.45% |
| External power supply's (EPS) average | Not applicable | Not applicable |
| active efficiency | Ττοι αργιισασίο | 14οι αργιίσασιο |
| Noise levels (the declared A-weighted | 3.1 B | 3.1 B |
| sound power level, L _{WAd}) of idle mode | 5.7 5 | 0 |

| Noise levels (the declared A-weighted | | |
|--|--|---|
| sound power level, L _{WAd}) of "HDD random | 3.1 B | 3.1 B |
| seek" mode | | |
| Minimum number of loading cycles that | Not applicable | Not applicable |
| the batteries can withstand | | |
| Configuration of memory | 2~16 GB | 4~ 16 GB |
| Configuration of internal storage | 1 piece | 1 piece |
| Configuration of discrete television tuner | 0 piece | 0 piece |
| Configuration of discrete audio card | 0 piece | 0 piece |
| Configuration of discrete graphics cards | 0~1 piece | 0~1 piece |
| Configuration of discrete graphics cards | G5 | C.F. |
| category | Go | G5 |
| The battery in this product cannot be | Not applicable | Not applicable |
| easily replaced by users themselves | Not applicable | Not applicable |
| For products with an integrated display, | Not applicable | Not applicable |
| the total content of mercury is | пот арріісавіе | Not applicable |
| Measurement methodology for E _{TEC} | COMMISSION REGUES 17/2013 of 26 June Directive 2009/125/EP Parliament and of the to ecodesign requirer and computer servers ANNEX II Ecodesign timetable: 1.1.1. E _{TEC} formula. | 2013 implementing C of the European Council with regard ments for computers |
| Measurement methodology for idle mode | EN 62623:2013 — Desktop and notebook computers — Measurement of energy consumption: 5.2. Test setup; 5.3.5. Measuring short idle mode; 5.7. True RMS watt meter specification; 5.8. True RMS watt meter accuracy; Annex E.2 (informative) ENERGY STAR® V5 compliant testing methodology. | |

| Measurement methodology for sleep mode | EN 62623:2013 — Desktop and notebook computers — Measurement of energy consumption: 5.2. Test setup; 5.3.3. Measuring sleep mode; 5.4. Test conditions; 5.7. True RMS watt meter specification; 5.8. True RMS watt meter accuracy. |
|--|--|
| Measurement methodology for off mode | EN 62623:2013 — Desktop and notebook computers — Measurement of energy consumption: 5.2. Test setup; 5.3.2. Measuring off mode; 5.4. Test conditions; 5.7. True RMS watt meter specification; 5.8. True RMS watt meter accuracy. |
| Measurement methodology for IPS efficiency | Generalized Test Protocol for Calculating the Energy Efficiency of Internal Ac-Dc and Dc-Dc Power Supplies Revision 6.6 (April,2012). |
| Measurement methodology for EPS efficiency | Not applicable |

| Measurement methodology for noise level | 6. Method for determination of sound power levels of equipment in reverberation test rooms; 7. Method for determination of sound power levels of equipment under essentially free-field conditions over a reflecting plane; Annex C.15 Equipment category: |
|---|--|
| Measurement methodology for battery loading cycles | personal computers and workstations. Not applicable |
| Sequence of steps for achieving a stable condition with respect to power demand | EN 62623:2013 — Desktop and notebook computers — Measurement of energy consumption: 5.2. Test setup; 5.3.2. Measuring off mode; 5.3.3. Measuring sleep mode; 5.3.5. Measuring short idle mode. |
| Description of how sleep mode was selected or programmed | EN 62623:2013 — Desktop and notebook computers — Measurement of energy consumption: 5.2. Test setup; 5.3.3. Measuring sleep mode. |

| Description of how off mode was selected or programmed | EN 62623:2013 — Desktop and notebook computers — Measurement of energy consumption: 5.2. Test setup; 5.3.2. Measuring off mode. |
|---|--|
| Sequence of events required to reach the mode where the equipment automatically changes to sleep mode | ENERGY STAR® Program Requirements Product Specification for Computers, Eligibility Criteria Version 6.0, Rev. Oct- 2013: 1.D.4 Sleep Mode. |
| Sequence of events required to reach the mode where the equipment automatically changes to off mode | Not applicable |
| The length of time after a period of user inactivity in which the computer automatically reaches a power mode that has a lower power demand requirement than sleep mode | 30 minutes |
| The length of time before the display sleep mode is set to activate after user inactivity | 10 minutes |
| User information on the energy-saving potential of power management functionality | http://www.energystar.gov/index.cfm?c=po wer mgt.pr power mgt users |
| User information on how to enable the power management functionality | http://www.energystar.gov/index.cfm?c=po wer_mgt.pr_power_mgt_users |
| Test parameter for ambient temperature Test parameter for test voltage Test parameter for frequency Test parameter for total harmonic distortion of the electricity supply system | 25 °C 230 V 50 Hz 3 % |
| Test parameter for information and documentation on the instrumentation, set-up and circuits used for electrical testing | AC source- Chroma 6530 Digital meter- YOKOGAWA WT210 |