

ECMA/TC38-TG3/2015/026 (Rev. 1 – 15 April 2015)

Annex B2 - Product environmental attributes Desktop/All-in-One Computers

The declaration may be published only when all rows and/or fields marked with * are filled-in (n.a. for not applicable). Additional information regarding each item may be found under P15.

| Brand * | Lenovo | Logo |
|------------------------|---|--------|
| Company name * | Lenovo | |
| Contact information * | Lenovo Global Environmental Affairs | Lenovo |
| e-mail address | Alvin L Carter | |
| | alcarter@lenovo.com | |
| Internet site * | http://www.lenovo.com/social_responsibility/us/en/environment | t.html |
| Additional information | The latest version of this document can be found at: | |
| | http://www.lenovo.com/ecodeclaration | |

| | based on product specification or test results based obtained from sample testing), that the product nts given in this declaration. |
|------------------------|---|
| Type of product * | Desktop Computer |
| Commercial name * | ThinkCentre M720 Tiny (M720q) |
| Model number * | 10T7, 10T8, 10T9, 10TA, 10TC, 10U8, 10U9, 10UA, 10TD |
| Issue date * | 2018-04-18 |
| Intended market * | 🔀 Global 📃 Europe 📃 Asia, Pacific & Japan 🗌 Americas 🗌 Other |
| Additional information | |

This is an uncontrolled copy when in printed form. Please refer to the contact information for the latest version.

About Annex B2

Annex B2 reflects Product environmental attributes relevant for Computers and Computer Monitors. The following items from the ECMA-370 Main body are not shown in the template: P4.1 – P4.3 Consumable materials

P9.1 TEC and Print speed

P10.2 - P10.3 Chemical emissions from printing products

P11.1 - P11.3 Consumable materials for printing products.

| Model n | umber * | 10T7, 10T8, 10T9, 10TA, 10TC, 10U8, 10U9, 10UA, 10TD | Logo | Long | | |
|----------|--|--|------------------|-------------|-----|-------|
| Issue da | te * | 2018-04-18 | | Leng | JVC | |
| Produc | t environ | mental attributes - Legal requirements | | Require | men | t met |
| Item | | | | Yes | No | n.a. |
| P1 | Hazardo | ous substances and preparations | | | | |
| P1.1* | idate * 2018-04-18 Idate * Products do comply with current European RoHS Directive. (See legal reference and NOTEB1) Products do not contain Asbestos (see legal reference). Comment: Legal reference has no maximum concentration value. Products do not contain Ozone Depleting Substances: Chlorofluorcarbons (GFC), hydrochlorobons (HBFC), hydrochlorobons (HBFC), hydrochlorobons (HCFC), Halons, carbontetrachloride, 1,1,1-trichloroethane, methyl bromide (see legal reference). Products do not contain more than; 0,005% polychlorinated biphenyl (PCB), 0,005% polychlorinated terphenyl (PCT) in preparations (see legal reference). Products do not contain more than; 0,005% polychlorinated biphenyl (PCB), 0,005% polychlorinated terphenyl (PCT) in preparations (see legal reference). Products do not contain more than; 0,005% polychlorinated biphenyl (PCB), 0,005% polychlorinated terphenyl (PCT) in preparations (see legal reference). Parts with direct and prolonged skin contact do not release nickel in concentrations above 0,5 µg/cm ² /week (see legal reference). Comment: Max limit in legal reference when tested according to EN1811:2011-5. REACH Article 33 information about substances in articles is available at (add URL or mail contact): http://www.lenovo.com/social_responsibility/us/en/environment.html Batteries If the product contains a | | \boxtimes | | | |
| P1.2* | | | | \square | | |
| P1.3* | hydrobro trichloro concentr | pmofluorocarbons (HBFC), hydrochlorofluorcarbons (HCFC), Halons, carbontetrach ethane, methyl bromide (see legal reference). Comment: Legal reference has no m ation values. | naximum | \boxtimes | | |
| P1.4* | terpheny | /I (PCT)in preparations (see legal reference). | | \square | | |
| P1.5* | | | bon atoms in th | e 🔀 | | |
| P1.6* | (see lega | al reference). |),5 μg/cm²/weel | < 🔀 | | |
| P1.7* | REACH | Article 33 information about substances in articles is available at (add URL or mail | contact): | \square | | |
| P2 | Batterie | S | | | | |
| P2.1* | • | | the disposal | \boxtimes | | |
| P2.2* | | · · | nium. (See lega | I 🛛 | | |
| P2.3* | Batteries | s and accumulators are readily removable. (See legal reference) | | \boxtimes | | |
| P3 | Conform | nity verification & Eco design (ErP) | | | | |
| P3.1* | The proc | duct is CE-marked to show conformance with applicable legal requirements (see leg | gal reference). | \boxtimes | | |
| | | | | | | |
| P3.2* | • | | | \boxtimes | | |
| | Required | d information is; Zgiven in item P15 or added to this document, | | \boxtimes | | |
| | | | | | | |
| P5 | | | | | | |
| P5.1* | - | | y, cadmium ar | nd 🔀 | | |
| P5.2* | • | | of the material(| s) 🔀 | | |
| P5.3* | (see lega | al reference). | Montreal Protoc | ol 🔀 | | |
| P6 | | nt information | | | | |
| P6.1* | Informati | on for recyclers/treatment facilities is available (see legal reference). | | \square | | |

NOTE B1 Restriction applies to the homogeneous material, unless other specified and expressed in weight %. Stating "Yes" means that the product is compliant with the mandatory requirements.

| Model n | umber * | 10T7, 10T8, 10T9, 10TA, 10TC, 10U8, 10U9, 10UA, 10TD Logo | | | |
|----------|----------------------|---|-----------|---------------|------------|
| Issue da | te * | 2018-04-18 | LEI | NOV | |
| Produc | t environ | mental attributes - Market requirements (See General NOTE GN below) | | | |
| | | onmental conscious design | Requi | rement | met |
| Item | | tory to fill in. Additional information regarding each item may be found under P14. | Yes | s No | n.a. |
| P7 | Design | and the second line of | | | |
| P7.1* | | mbly, recycling t have to be treated separately are easily separable | | | |
| P7.2* | | aterials in covers/housing have no surface coating. | | <u> </u> | _ <u>-</u> |
| P7.3* | | arts > 100 g consist of one material or of easily separable materials. | | _ <u>-</u> - | |
| | | | | <u> </u> | |
| P7.4* | - | arts > 25 g have material codes according to ISO 11469 referring ISO 1043-4. | | _닏 | |
| P7.5 | | arts are free from metal inlays or have inlays that can be removed with commonly available too | | <u> </u> | <u> </u> |
| P7.6* | | re easily separable. (This requirement does not apply to safety/regulatory labels). | | | |
| P7.7* | Product | | | | |
| | | g can be done e.g. with processor, memory, cards or drives | | <u> </u> | <u> </u> |
| P7.8* | | g can be done using commonly available tools | \square | | |
| P7.9 | | rts are available after end of production for: 5 years | | | |
| P7.10 | | s available after end of production for: 5 years | | | |
| | | and substance requirements | | | |
| P7.11* | | cover/housing material type (e.g. plastics, metal, aluminum): | | | |
| P7.12 | | type: ABS+PC Material type: PC Material type: ABS n materials of external electrical cables are PVC free. | ` | | |
| P7.13 | | n materials of internal electrical cables are PVC free. | | | <u> </u> |
| P7.14 | | plastic casing/cover parts > 25 g contain no more than 0,1% weight (1000 ppm) bromine and | 0.1% | | |
| F7.14 | weight(polyvinyl | 1000 ppm) chlorine attributable to brominated flame retardants, chlorinated flame retardants chlorine in parts contained flame and 0,3% weight (3000 ppm) chlorine in parts contain 25% post-consumer recycled content. | , and | | |
| P7.15 | Printed c | ircuit boards, PCBs (without components) are low halogen: all 🔀 PCBs > 25 g 🗌 are low ha | logen | | |
| P7.16 | | tarded plastic parts > 25 g in covers / housings are marked according ISO 1043-4: | | | \square |
| P7.17 | | nemical specifications of flame retardants in printed circuit boards > 25 g (without components) PA (additive),⊠TBBPA(reactive)(See NOTEB3), ⊠Other: <i>Brominated Epoxy Resin</i> , CAS # | | | |
| | | nemical specifications of flame retardants in printed circuit boards (without components)> 25 g g ISO 1043-4: <i>FR</i> (16) | | | |
| P7.18 | concentr | ame retarded plastic parts > 25 g contain the following flame retardant substances/preparation ations above 0,1%: | ons in | | |
| | | cal name: , CAS #: (See NOTE B4) | | | \bowtie |
| P7.19 | | nemical specifications of flame retardants in plastic parts > 25 g according ISO 1043-4: parts > 25 g, flame retardant substances/preparations above 0,1% are used which have been | | <u> </u> | |
| | | the following Risk phrases; and Hazard statements: | | | |
| | - | ce(s) for these classifications is/are found at (add URL(s)): , (See note B5) | | | |
| P7.20* | | sumer recycled plastic material content is used in the product (See Note B6): | | | |
| | a) Of t | t least one of the two alternatives below shall be answered; otal plastic parts' weight > 25 g,the postconsumer recycled plastic material content (calculated centage of total plastic by weight) is %. | as a | | |
| | | weight of recycled material is 16.7 g. | | | |

GENERAL NOTE Standard references should direct to the latest version of a standard. If an older version of a standard is used, section P15 shall be used for explanation.

NOTE B2 IEC 61249-2-21 defines maximum limits of 900 ppm for each of the substances chlorine and bromine and a maximum limit of 1500ppm of these substances combined. The standard does not address fluorine, iodine and astatine which are included in the group of halogens.

NOTE B3 and B4 A Guidance document on Chemical substances is available; see http://www.ecma-international.org/publications/standards/Ecma-370.htm

NOTE B5 If a certain substance has been assigned a certain risk phrases / hazard statement in the referenced source, this does not necessarily mean the substance has been tested for all of the hazards referred to by a certain customer.

NOTE B6 Applies to a product containing plastic parts whose combined weight exceeds 100 g with the exception of printed circuit boards, cables, connectors and electronic components and bio-based plastic material.

| Model number * | 10T7, 10T8, 10T9, 10TA, 10TC, 10U8, 10U9, 10UA, 10TD | Logo | Lenovo |
|------------------|--|------|-----------------|
| Issue date * | 2018-04-18 | | LEIIOVO |
| Product environm | nental attributes - Market requirements (continued) | | Requirement met |

Item

Requirement met Yes No n.a.

| | Material and sub | stance requirements | (continued) | | | | | | | | |
|----------------------|---|---|-------------------------|-----------------------|--|-------------|--|--|--|--|--|
| P7.21* | | | d in the product (See N | NOTE B7): | | | | | | | |
| | If VES: at least or | e of the two alternativ | es below shall be answ | vered: | | _ | | | | | |
| | If YES; at least one of the two alternatives below shall be answered; a) Of total plastic parts' weight > 25 g, the biobased plastic material content (calculated as a percentage of | | | | | | | | | | |
| | total plastic b | | | | | | | | | | |
| | or | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | | | | | | | | | |
| | b) The weight c | f the biobased plastic | material is g. | | | | | | | | |
| P7.22* | | | . less than 0,1 mg/lam | Э. | | \boxtimes | | | | | |
| | | specify: Number of la | mps: and maxir | num mercury content p | er lamp: mg | | | | | | |
| P8 | Batteries | | | | | | | | | | |
| P8.1* | Battery chemical | composition: <i>Li-mang</i> | anese dioxide | | | | | | | | |
| P9 | | tion (See NOTE B8) | | | | | | | | | |
| P9.1 | | e following power leve | els or energy consumpt | tions are reported: | | | | | | | |
| Energy mo | ode * | Power level at | Power level at | Power level at | Reference/Standard for energy | | | | | | |
| | | 100 V AC | 115V AC | 230 V AC | modes and test method * | | | | | | |
| Peak (On- | | W | W | W | Full load | | | | | | |
| Categor | | | | | | | | | | | |
| | State - WOL | 10.35 W | 9.87 W | 10.61 W | ENERGYSTAR® for Computers: | | | | | | |
| Enabled | | | | | Ver. 6.1 | | | | | | |
| | State - WOL | 9.49 W | 9.54 W | 9.90 W | ENERGYSTAR® for Computers: | | | | | | |
| Enabled | | 4.40.144 | | 4.05144 | Ver. 6.1 | | | | | | |
| Sleep (S3) |) - WOL Enabled | 1.16 W | 1.17 W | 1.25 W | ENERGYSTAR® for Computers: | | | | | | |
| 0# (05) | WOL Enabled | 0.89 W | 0.0010/ | 0.96 W | Ver. 6.1 ENERGYSTAR® for Computers: | | | | | | |
| | | 0.89 W | 0.90 W | 0.96 VV | Ver. 6.1 | | | | | | |
| Categor | <u>y I2</u> | | | | | | | | | | |
| Short Idle | State - WOL | 10.02 W | 9.83 W | 10.41 W | ENERGYSTAR® for Computers: | | | | | | |
| Enabled | | | | | Ver. 6.1 | | | | | | |
| Long Idle Enabled | State - WOL | 9.42 W | 9.83 W | 10.59 W | ENERGYSTAR® for Computers: Ver. 6.1 | | | | | | |
| Sleep (S3) |) - WOL Enabled | 1.21 W | 1.22 W | 1.28 W | ENERGYSTAR® for Computers: Ver. 6.1 | | | | | | |
| Off (S5) - | WOL Enabled | 0.89 W | 0.90 W | 0.95 W | ENERGYSTAR® for Computers: Ver. 6.1 | | | | | | |
| Categor | v 13 | | | | | | | | | | |
| | State - WOL | 9.07 W | 8.78 W | 9.83 W | ENERGYSTAR® for Computers: | | | | | | |
| Enabled | | 5.07 11 | 0.70 11 | 5.00 W | Ver. 6.1 | | | | | | |
| | State - WOL | 8.73 W | 8.54 W | 9.23 W | ENERGYSTAR® for Computers: | | | | | | |
| Enabled | | | | | Ver. 6.1 | | | | | | |
| Sleep (S3) |) - WOL Enabled | 1.17 W | 1.19 W | 1.26 W | ENERGYSTAR® for Computers: | | | | | | |
| | | | | | Ver. 6.1 | | | | | | |
| Off (S5) - | WOL Enabled | 0.89 W | 0.90 W | 0.96 W | ENERGYSTAR® for Computers: Ver. 6.1 | | | | | | |
| Categor | y D1 | | | | | | | | | | |
| _ | State - WOL | 16.77 W | 17.43 W | 17.00 W | ENERGYSTAR® for Computers: | | | | | | |
| Enabled | | | | | Ver. 6.1 | | | | | | |
| Long Idle Enabled | State - WOL | 16.46 W | 16.30 W | 16.20 W | ENERGYSTAR® for Computers: Ver. 6.1 | | | | | | |
| |) - WOL Enabled | 0.91 W | 0.91 W | 0.94 W | ENERGYSTAR® for Computers: Ver. 6.1 | | | | | | |
| Off (S5) - | WOL Enabled | 0.93 W | 0.93 W | 0.96 W | ENERGYSTAR® for Computers: Ver. 6.1 | | | | | | |
| Categor | ν D 2 | | | 1 | | | | | | | |
| | <u>State</u> - WOL | 17.78 W | 18.17 W | 17.33 W | ENERGYSTAR® for Computers: | | | | | | |
| | | | | | | | | | | | |

NOTE B7 The following is to be excluded from the calculation of percentage: printed circuit boards, labels, cables, connectors and electronic components and postconsumer recycled plastic

NOTE B9 A Guidance document on Acoustic Noise is available; see http://www.ecma-international.org/publications/standards/Ecma-370.htm

NOTE B8 A Guidance document on Energy Efficiency is available; seehttp://www.ecma-international.org/publications/standards/Ecma-370.htm

| • | State - WOL | 17.04 W | 16.87 W | 16.88 W | ENERGYSTAR® for Computers: | |
|--|--|---|---------------------------------------|--------------------------------|--|------------------|
| Enabled | | | | | Ver. 6.1 | |
| Sleep (S3 | 3) - WOL Enabled | 1.16 W | 1.17 W | 1.21 W | ENERGYSTAR® for Computers: Ver. 6.1 | |
| Off (S5) - WOL Enabled 0.92 W 0.93 W | | | 0.93 W | 0.96 W | ENERGYSTAR® for Computers: Ver. 6.1 | |
| EPS No-lo | bad | N/AW | 0.108W | 0.108W | | |
| | r supply / charger plugged in the lisconnected from the product.) | | | | | |
| PTEC * | | W | W | W | | |
| Typical Er | nergy Consumption | | | | | |
| ETEC * | | <i>I1: 48.22</i> | <i>I1: 46.86</i> | <i>l1: 49.87</i> | $E_{TEC} = (8760/1000) \times (P_{off} \times 0.45)$ | |
| Annual En | nergy Consumption | 12: 47.14; | 12: 47.14; | 12: 50.14; | + P _{sleep} x 0.05 + P _{long_ldle} x 0.15+ | |
| | | 13: 43.30; | 13: 42.21; | 13: 46.60; | P _{short_Idle} x 0.35) | |
| | | D1: 77.11; | D1: 78.92; | D1: 77.60; | | |
| | | D2:81.04kWh/year | | D2: 79.63kWh/year | | |
| | | | | | Enabled; Pidle: Idle State - WOL Enabled | 1 |
| External P | Power Supply Efficier | ncy Level (Internationa | I Efficiency Marking Pro | otocol) * : | | |
| Display re | esolution * : me | egapixels | | | | |
| Default tin | ne to enter energy sa | ave mode: 25 minutes | | | | |
| P9.2* | Information about | the energy save function | on is provided with the | product. | | |
| P9.3 | Energy efficiency | class (monitors only): | | | | |
| P10 | Emissions | | | | · | |
| | Noise emission - | Declared according to | o ISO 9296 (See NOTE | E B9) | | |
| P10.1 | Mode I | Mode description | | Statistical upper limi | t A-weighted sound power level, $L_{WA,c}$ | _e (B) |
| | Idle , | * HDD:Idle | | * 3.2 | | |
| | Operation ' | • HDD: Operating | | *3.5 | | |
| | | | d pressure level (dB) $L_{p{ m Arr}}$ | | desktop – idle) | |
| | Other mode | Declared A-weighted soun | d pressure level (dB) L_{pAr} | n 26 (operator position | desktop – operating) | |
| | Measured accordi | ing to: 🔀 ISO 7779 🗌 | ECMA-74 | | | |
| | | Other (on | ly if not covered by EC | MA-74 <mark>)</mark> | | |

| Model nu | umber * | 10T7, 10T8, 10T9 | , 10TA, 10TC, 10U8, 10U9, | 10UA, 10TD | | Logo | | | |
|--|---|--------------------------------------|--|------------------------|----------------------|--------------|-------------|------|-------------|
| lssue dat | te * | 2018-04-18 | | | Leno | VO, | H | | |
| Product | t environn | nental attributes | - Market requirements | (continued) | | | Require | ment | me |
| ltem | | | | | | | Yes | No | n.a |
| | | nagnetic emission | | | | | | | |
| P10.4 | program | (s): | requirement for low frequer | ncy electromagnetic | c fields of the foll | owing volun | itary | | |
| P12 | | nics for computin | | | | | | | |
| P12.1* | The disp | lay meets the ergor | nomic requirements of ISO 9 | 241-307 for visual | display technolo | gies. | | | \boxtimes |
| P12.2* | The phys | sical input device m | eets the requirements of ISC |) 9995 and ISO 924 | 41-410. | | \boxtimes | | |
| P13 | Packagi | ng and document | ation | | | | | | |
| P13.1* | | packaging material | | ight (kg): 0.35 | | | | | |
| | Product packaging material type(s): Fabricated PE weight (kg): 0.07 | | | | | | | | |
| D 40.01 | | packaging material | | ight (kg): 0.01 | | | | | |
| P13.2* | | | aging is free from PVC. | | | | \square | | |
| P13.3* | consume | er recovered fiber co | | | ned percentage | of minimur | n post- | | |
| P13.4* | | media for user and ronic, 🔀 Paper, 🗌 | product documentation (tick Other | box): | | | | | |
| P13.5 | User and | | tem if paper documentation ation on paper media is chlo | | | | | | |
| | Totally c | hlorine-free | | | | | | | |
| | | al chlorine-free | | | | | E E | | |
| | Processe | ed chlorine-free | | | | | H | | |
| P14 | Volunta | ry programs | | | | | | | |
| P14.1 | The proc | luct meets the requ | irements of the following vol | untary program(s): | | | | | |
| | ENERG | Y STAR® | Criteria version: 6.1 | Date: | Product | category: Co | omputer | | |
| | | rtified Eco Label | Criteria version: 5.0 | Date: | | category: De | | | |
| P15 | Addition | al information (Se | e NOTE B10) | | | | | | |
| P9 | Energy | consumption of s | pecific configuration may | /ary; description o | of the tested pro | oduct confi | guration: | | |
| NOTE: Supplier makes no representations, guarantees, assurances or warranties whether express or implied information contained in this document. All information provided by supplier in this document is provided base knowledge available at the time of completion, and supplier shall have no obligation to update such information provided here is approximate and provided for informational purposes only. See a Lenovo Account Represent information. | | | | | | | | | ion |
| P9 | | | lotebooks & Tablet Compute gystar.gov/index.cfm?fuseac | | ct.showProduct | Group&pgw_ | _code=CO | | |

NOTE B10 Additional lines may be inserted to declare further items, by positioning the cursor at the far right of the row and hitting the <Enter> key.

Legal references Europe Annex B2

| Reference | Declaration item |
|--|------------------------|
| Directive 2011/65/EU (RoHS Directive) * * Specific exemptions apply for certain products and applications. | P1.1 |
| Regulation (EC) 1907/2006(REACH, Annex XVII | P1.2, P1.4, P1.6, P1.7 |
| Regulation (EC) 2037/2000, 2038/2000, 2039/2000 (Marketing and use of Ozone layer depleting substances) | P1.3, P5.3 |
| Norwegian regulation relating to restrictions on the use of certain dangerous chemicals 20.12.2002 | P1.5 |
| Directive 2013/56/EC (Battery and accumulators Directive) * * These provisions shall not apply where, for safety, performance, medical or data integrity reasons, continuity of power supply is necessary and requires a permanent connection between the appliance and the battery or accumulator. | P2.1, P2.2, P2,3, P8.1 |
| Directive 2006/95/EC (Low Voltage Directive) | P3.1 |
| Directive 2004/108/EC (EMC Directive) | P3.1 |
| Directive 1999/5/EC (R&TTE Directive) | P3.1 |
| Regulation (EC) 801/2013 amending Regulation (EC) No 1275/2008 with regard to ecodesign requirements for standby, off mode electric power consumption of electrical and electronic household and office equipment, and amending Regulation (EC) No 642/2009 with regard to ecodesign requirements for televisions | P3.1, P3.2 |
| Regulation (EC) No 1272/2008 (CLP Regulation) | P7.19 |
| Directive 2004/12/EC (Packaging Directive) | P5.1 |
| Decision 97/129/EC (Secondary packaging legislation) | P5.2 |
| Directive 2012/19/EU (WEEE directive) | P6.1 |

Lenovo ErP Lot3 Information Sheet - PC / Notebook -

As required by COMMISSION REGULATION (EU) No 617/2013 of 26 June 2013 implementing Directive 2009/125/EC of the European Parliament and of the Council with regard to ecodesign requirements for computers and computer servers (ErP Lot3).

Products scope of this sheet:

Desktop computer, integrated desktop computer, and notebook computer

This document is only valid in connection with the IT Eco Declaration of the specific Product.

| Commercial name | ThinkCentre M720 Tiny | Logo |
|------------------------|--|--------|
| Model Number | 10T7, 10T8, 10T9, 10TA, 10TC, 10U8, 10U9, 10UA, 10TD | |
| Issue Date | 2018-04-18 | Lenovo |
| Additional information | | |

| (d) | year of manufacture: | | | | 2018 |
|--|---|--|--|--|--|
| (e) | Etec value (kWh) per ErP Lot 3 Catego disabled and if the system is tested with | | •• | | cards (dGfx) are |
| (f) | Etec value (kWh) per ErP Lot 3 Catego enable | ry and capability adjus | tments applied when a | II discrete graphics o | cards (dGfx) are |
| | | Category A (according to ErP Lot 3) | Category B (according to ErP Lot 3) | Category C (according to ErP Lot 3) | Category D (according to ErP Lot 3) |
| | Memory over base [GB] | | N/A | | N/A |
| lents sting | Additional internal storage | (Yes / No) | Yes (Yes / No) | (Yes / No) | Yes (Yes / No) |
| capability adjustments applied during testing | Discrete television tuner | (Yes / No) | No (Yes / No) | (Yes / No) | No (Yes / No) |
| ability a | Discrete Audio Card | (Yes / No) | No (Yes / No) | (Yes / No) | No (Yes / No) |
| cap app | Discrete graphics Card(s) [number / #] | #: (Yes / No) | No #: (Yes / No) | # <u>:</u> (Yes / No) | No #: (Yes / No) |
| | Category of discrete graphics Card(s) | | | | |
| Test results | Etec Value (kWh) - dGfxdisabled all discrete graphics cards (dGfx) are disabled/ UMA is active for switchable graphics/ product has no graphics cards (dGfx) | | | | |
| Testr | Etec Value (kWh) - dGfxenabled all discrete graphics cards (dGfx) are enabled | | 50.41 | | 38.04 |
| (g) | Idle state power demand (Watts); | 1 | 1 | | 12.92 |
| (h) | Sleep mode power demand (Watts); | | | | 1.27 |
| (i) | Sleep mode with WOL enabled power d | emand (Watts) (where | enabled); | | 1.28 |
| (j) | Off mode power demand (Watts); | | | | 0.67 |
| (k) | Off mode with WOL enabled power dem | ~ / ~ | ,, | | 0.76 |
| (I) | Internal power supply efficiency at 10 % | , 20 %, 50 % and 100 | % of rated output pow | er (if applicable): PA-1 | 181-7 |
| | 10% 20% 50% | 100% Avera | age | | |

| | Average | active of | ficionov | | | | | | | | | |
|-------|---|----------------------|---|----------------------|--------------------------------|------------|------------------|-------------------------|----------|------------------|--------------------------|-----------|
| | | active ef | | lout | Pout | Lin | Pin | Dissingtod | THD | Efficiency | Average | Power |
| | Input (V) | Load | Output Voltage Measure Value +20V | lout (mA) | (W) | (A) | (W) | Dissipated Power (W) | (%) | (%) | Average Efficiency(%) | Factor |
| | | 100% load | 19.910 | 4500.000 | 89.595 | 0.960 | 101.376 | 11.781 | 0.51 | 88.38% | | 0.910 |
| | 445/0011 | 75% load | 20.030 | 3380.000 | 67.701 | 0.720 | 75.768 | 8.067 | 0.43 | 89.35% | 88.86% | 0.910 |
| | 115/60Hz | 50% load 25% load | 20.160 20.260 | 2250.000 1120.000 | 45.360 22.691 | 0.490 | 50.604 25.760 | 5.244 3.069 | 0.40 | 89.64% 88.09% | | 0.900 |
| | | 0% load | 20.280 | 0.000 | 0.000 | 0.040 | 0.084 | 0.084 | 0.20 | 0.00% | | 0.020 |
| | | 100% load | 19.940 | 4500.000 | 89.730 | 0.490 | 100.512 | 10.782 | 0.45 | 89.27% | | 0.890 |
| | | 75% load | 20.040 | 3380.000 | 67.735 | 0.370 | 75.588 | 7.853 | 0.43 | 89.61% | 88.52% | 0.880 |
| | 230/50Hz | 50% load 25% load | 20.130 20.130 | 2250.000 1120.000 | 45.293 22.546 | 0.260 | 50.820 26.196 | 5.528 3.650 | 0.40 | 89.12% 86.07% | | 0.860 |
| | | 0% load | 20.280 | 0.000 | 0.000 | 0.070 | 0.144 | 0.144 | 0.29 | 0.00% | | 0.010 |
| | *internal no | te: show val | ues for all available externa | power supplies | | | | | | | | |
| (0) | Minimum | n number | of loading cycles that | t the batteries | can withs | tand (ap | plies onl | y to notel | book co | omputers |): | n/a |
| (p-1) | the measurement methodology used to determine information mentioned in points (I) – internal PSU efficiency: N/A | | | | | | | | | | | |
| (p-2) | the mea | suremen | t methodology used | to determine | e informat | ion mer | ntioned | n points | (m) – | external | PSU | |
| (P -) | efficienc | | i methodology dood | | | | | in pointo | () | ontorna | 100 | |
| | | | | Ei | rp Lot7 | | | | | | | |
| (p-3) | the meas | surement | methodology used to | determine inf | ormation r <mark>N/A</mark> | nentione | ed in poir | its (o) – Ic | adingc | ycles bat | teries: | |
| (p-4) | the meas | surement | methodology used to | o determine in | formation | mention | ed in ma | ximum. io | lle. sle | ep. off mo | ode | |
| | the measurement methodology used to determine information mentioned in maximum, idle, sleep, off mode power as defined in Point P9.1 in the Product IT Eco Declaration: | | | | | | | | | | | |
| | | | IEC 62623 / IE | C EN50564:2 | 011 meas | uremen | t metho | dology | | | | |
| (q) | sequenc | e of steps | s for achieving a stab | le condition wi | ith respect | to powe | er demar | nd:: | | | | |
| | | | Power of | on -> Wait 5 m | ninutes -> | Stable o | onditio | n | | | | |
| (r) | descripti | on of how | v sleep and/or off mo | de was selecte | ed or prog | rammed | : | | | | | |
| | | | Begin me | enu -> Power | -> Select | sleep ol | r off mo | de | | | | |
| (s) | sequenc off mode | | ts required to reach t | he mode whe | re the equ | ipment a | automatio | cally chan | iges to | sleep an | d/or | |
| | c | Control P | anel->Power Optior | ns-> Change S | Settings-> | Restor | e defaul | t setting | s for tl | nis plan | | |
| (t) | | | lle state condition b bes not exceed the a | | | | | | | | | 25 minute |
| (u) | • | | e after a period of u t has a lower power | • | | | • | | - | aches a | 2 | 25 minute |
| (v) | the leng | th of time | e before the display | sleep mode | is set to a | ctivate | after use | r inactivit | y (in m | inutes): | 1 | 0 minute |
| (w) | - | | e energy-saving poter | | | | | | | , | | |
| | | | | | N/A | | | | | | | |
| | | | | | | | | | | | | |
| (x) | user info | rmation o | on how to enable the | power manage | ement fun | ctionality | /: | | | | | |

| | Information and documentatio | | n on the instrumentation, set-up an Range Used Or *** | Make and Model ** NF;EC1000S; SN:9152124 CASIO; HS-70W; SN:208Q08R YOKOGAWA;WT210;SN:91M944 560 | | |
|-----------------------------|------------------------------|--|---|---|-----------------------------|--|
| | | | 1~280VAC;1~550HZ;1000VA. Full range 0~600V;0~20A | | | |
| | | | | | | |
| | | | | | | |
| | | | ph 15~35°C/15~90% | | testo; 608-H1,SN:1034895602 | |
| | | | 0~20m/s,-20~70 ℃ | Testo;425;SN:02591883 | | |
| | | | 1°;1-300cd/ m ² | | Konica Minolta;LS-110; | |
| | | | tery[ies] in this product cannot be l by users themselves. ¹⁾ | e easily | | |
| Internal/built-in Battery | | | | | | |
| External/detachable Battery | | | | | | |
| Bios Backup Battery | | |] | | | |
| Other: | | | | | | |
| | l information | | | | | |

Výměnu baterie/baterií v tomto výrobku by neměli provádět sami uživatelé. Brugeren kan ikke uden videre udskifte batteriet/batterierne i dette produkt.

Der Akku/die Akkus dieses Produkts kann/können nicht ohne weiteres vom Benutzer selbst ausgetauscht werden.

Kasutajad ei saa selle toote akut/akusid ise hõlpsasti asendada.

Ημπαταρία[-ες] στοπροϊόναυτόδενμπορούννααντικατασταθούνεύκολααπότουςίδιουςτουςχρήστες

La/les batterie(s présente(s) dans ce produit ne peuvent être facilement remplacée(s) par les utilisateurs eux-mêmes.

Korisnik ne može lako zamijeniti Bateriju sam u ovom proizvodu.

La batteria/le batterie in questo prodotto non può/possono essere facilmente sostituita/e dall'utente.

Lietotāji paši nevar nomainīt šā ražojuma akumulatoru(-us).

šio gamino baterijos [bateriju] pats vartotojas negali lengvai pakeisti. A termék akkumulátorát/akkumulátorait a felhasználó nem tudja egyedül egyszerűen kicserélni.

II-batterija/batteriji f'dan il-prodott ma tistax/jistgħux tiġi/jiġu sostitwita/i mill-utenti stess.

Batteriet [ene] i dette produktet kan ikke lett erstattes av brukerne selv.

De batterij(en) in dit product is (zijn) door de gebruiker niet gemakkelijk vervangbaar.

Użytkownik nie może sam w łatwy sposób wymienić baterii w tym produkcie.

A ou as baterias deste produto não podem ser facilmente substituídas pelos próprios utilizadores.

Bateria (bateriile) din acest produs nu poate (pot) fi ușor înlocuită (înlocuite) de utilizatorii înșiși. Batériu(-ie) v tomto výrobku nemôže vymieňať používateľ.

Baterij/baterije v tem izdelku uporabniki sami ne morejo zlahka zamenjati.

Tämän tuotteen akku [akut] ei[vät] ole helposti käyttäjän vaihdettavissa.

Det är inte enkelt för kunden att själv byta ut batteriet/batterierna.

Bu üründeki batarya(lar) kullanıcılar tarafından kolaylıkla değiştirilemez.