



Product Service

# CERTIFICATE

No. Z1A 13 10 52878 071

**Holder of Certificate:** **Hewlett-Packard Company**

3000 Hanover Street  
Palo Alto, California 94304  
USA

**Certification Mark:**



**Product:** **Notebook Computer**

**Tested according to:** EN 60950-1/A12:2011  
EK1-ITB 2000:2013  
ZEK 01.4-08

The product meets the safety and health requirements of the German Product Safety Act section 20 to 22 ProdSG. The certification marks shown above can be affixed on the product. It is not permitted to alter the certification marks in any way. In addition the certificate holder must not transfer the certificate to third parties. This certificate is valid until the listed date, unless it is cancelled earlier. See also notes overleaf.

**Test report no.:** 612101389601

**Valid until:** 2018-10-23

**Date,** 2013-10-24

*Bill Lin*  
( Bill Lin )



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**CERTIFICATE****No. Z1A 13 10 52878 071****Model(s):** HSTNN-I16C-4, HP ProBook 645, HP mt41

**Parameters:**

Rated input voltage:	19.5 Vdc
Rated input current:	3.33 A
Protection class:	III
Max. ambient temperature:	35 °C
Degree of protection against ingress of liquids:	Ordinary
Sound Pressure level:	43 dB(A)
Declared Sound Power level:	4.9 B(A)

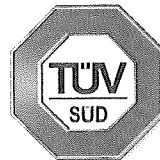
Remarks: 1. See attachment for LCD(s) covered by this certificate.

2. The equipment is evaluated for operating in altitude up to 3,048 m (10,000 ft) above the sea level.

**Factory(ies):** 65256, 75263

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*Bill L.-*



Taiwan

**Attachment to the Certificate      No. Z1A 13 10 52878 071**

**The following LCD's panel description of the models are as below:**

- |                                    |                  |
|------------------------------------|------------------|
| 1. AUO                             | Type: B140HAN01  |
| 2. AUO                             | Type: B140RTN02  |
| 3. AUO                             | Type: B140XTN03  |
| 4. LG Display                      | Type: LP140WD2   |
| 5. LG Display                      | Type: LP140WF1   |
| 6. LG Display                      | Type: LP140WH2   |
| 7. Samsung                         | Type: LTN140AT29 |
| 8. Samsung                         | Type: LTN140KT13 |
| 9. Chimei Innolux (Innolux Corp.)  | Type: N140BGE    |
| 10. Chimei Innolux (Innolux Corp.) | Type: N140FGE    |
| 11. LG Display                     | Type: LP140WH8   |
| *12. LG Display                    | Type: LP140WF3   |

Suitable for Max. illuminance:  $L_{REF,EXT} = 200 \text{ cd/m}^2$  and  $L_{REF,SML} = 2000 \text{ cd/m}^2$

Suitable for Max. illuminance: 750 lx

Pixel fault classification: I

Design viewing distance: 500 mm

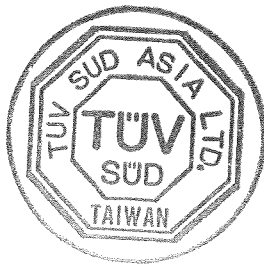
Design viewing direction: (0°, 90°)

Viewing direction range:  $\Phi$  range is 0° to 360°

$\theta$  range is 39.1°

Content and perception: Artificial information

**Date: 2014-11-27**



**Testing Laboratory**

*Bill Lin*  
**Bill Lin**