

기술 문서 Technical Document

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안전인증번호: XU100282-21147B
(Certificate No)

접수번호: 20210630 - 0102
(Receipt No)

1. 기본모델 · 파생모델의 내용 (General Descriptions of Certified Products)

1.1 제품의 설명 (Product description)

인증제품의 개요는 다음과 같다.

(Information on certified basic model product is as follow)

구분 (Section)	내 용 (Description)
용도 (Normal use)	Notebook PC for use in information technology equipment
내부구조 (Internal construction)	The apparatus consists of Main board, CPU, and LCD panel etc.
외부구조 (External construction)	The fire enclosure is plastic parts are min. V-1 material and certified external power supply unit
기타 (Others)	Class III

1.2 전기용품의 표시: 전기용품 및 생활용품 안전관리법 시행규칙 제37조(안전확인대상제품의 표시)에 따라 표시한다.

(Marking of KC Mark: Marking shall comply with the Article 37 of the Enforcement Rule of the Electrical Appliances and Consumer Products Safety Control Act.)

1.3 등록모델 (Registered Models)

구 분 (Class)	모 델 명 및 정 격 (Model / Rating)		기본모델과의 차이점 (Difference between basic model and series model)
기본모델 (Basic model)	TPN-Q264	19.5 Vdc, 7.7 A or 10.3 A	
파생모델 (Series model)	Victus by HP 16 Laptop PC		Model name
	Victus by HP Laptop		Model name
	Victus by HP Laptop 16		Model name

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2. 안전관리 부품 및 재질목록(List of Critical Components)

부품명(회로기호) Components(Part no.)	제조사(상표명) Manufacturer(Brand)	모델명(형식) Model(Type)	정격 또는 특성 (Technical Data)	인증규격 (Certification)
Power cord set	TAIWAN LINE TEK IN CHINA EVERFULL ELECTRONIC (HUIZHOU) CO., LTD.	LP-E04A/LS-15, LP-E04A/LS-15L, LP-E05A/LS-15, LP-E05A/LS-15L, LP-33/LS-15, LP-33/LS-15L, LP-34/LS-15, LP-34/LS-15L	Plug: 16 A, 250 V~, Cord: 3 x 0.75 mm ² or 3 x 1.0 mm ² , Connector: 2.5 A, 250 V~	KC
Power cord set (Alt.)	Longwell Company	LP-34AD+LS-18N, LP-34A+LS-18N	Plug: 16 A, 250 V~, Cord: 3 x 0.75 mm ² or 3 x 1.0 mm ² , Connector: 2.5 A, 250 V~	KC
Power cord set (Alt.)	Longwell Company	LP-486+LS-5, LP-34A+LS-5, LP-34A+LS-18	Plug: 16 A, 250 V~, Cord: 3 x 0.75 mm ² or 3 x 1.0 mm ² , Connector: 2.5 A, 250 V~	KC
Power cord set (Alt.)	I-Sheng Manufacturing (Songgang) Factory	SP-022/IS-034, SP-022/IS-039, SP-023/IS-034, SP-023/IS-039, SP-023/IS-039B, SP-022/IS-034A	Plug: 16 A, 250 V~, Cord: 3 x 0.75 mm ² , Connector: 2.5 A, 250 V~	KC
Power cord set (Alt.)	I-Sheng Electronics (Kunshan) Co., Ltd.	SP-022/IS-034, SP-022/IS-039, SP-023/IS-034, SP-023/IS-039, SP-022/IS-034A	Plug: 16 A, 250 V~, Cord: 3 x 0.75 mm ² , Connector: 2.5 A, 250 V~	KC
Power cord set (Alt.)	I-Sheng Electric Wire & Cable (Vietnam)	SP-022/IS-034 with H05VV-F 3x0.75, SP-022/IS-034 with H03VV-F 3x0.75, SP-022/IS-034A, SP-023/IS-034	Plug: 16 A, 250 V~, Cord: 3 x 0.75 mm ² , Connector: 2.5 A, 250 V~	KC
Power adaptor	Delta Electronics (Jiang Su) Ltd.	TPN-DA09	Input: 100-240 V~, 50-60 Hz, 2.5 A (Output: 19.5 Vdc, 7.7 A)	KC
Power adaptor (Alt.)	Lite-On Technology (Changzhou) Co.,Ltd	TPN-CA11	Input: 100-240 V~, 50-60 Hz, 2.5 A (Output: 19.5 Vdc, 7.7 A)	KC

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Power adaptor (Alt.)	Chicony Power Technology (Suzhou) Co., Ltd.	TPN-CA23	Input: 100-240 V~, 50-60 Hz, 2.9 A (Output: 19.5 Vdc, 10.3 A)	KC
Power adaptor (Alt.)	Delta Electronics (Jiang Su) Ltd.	TPN-DA23	Input: 100-240 V~, 50-60 Hz, 2.7 A (Output: 19.5 Vdc, 10.3 A)	KC
Battery pack	Zhuhai CosMX Power Jinwan Subsidiary Co.,Ltd	HSTNN-OB2C	15.4 Vdc, 4323 mAh	KC
Battery pack (Alt.)	Simplo Technology (Chongqing) Inc.	HSTNN-IB9V	15.4 Vdc, 4323 mAh	KC
Label	Interchangeable	Interchangeable	Rated Min. 70℃.	UL
Label (Alt.)	Interchangeable	Interchangeable	Permanently ink-stamped, silk-screened, molded in, or Laser engraving on enclosure.	-
Panel (LED backlight)	BOE	NV161FHM-NY2	16.1 inch panel with LED backlight type	Tested in appliance
Plastic enclosure material (bottom)	TEJIN LIMITED RESIN AND PLASTIC	TN-3715B(n1), (#) - Suffix optional, (n1) - May be suffixed with any letters except Z. TN-3715BZ(#)	V-0, min. 1.2mm thickness, 60℃.	UL (E98529)
Plastic enclosure material (bottom) (Alt.)	LOTTE CHEMICAL CORPORATION	GV-1155OP	V-0, min. 1.2mm thickness, 75℃.	UL (E115797)
Plastic enclosure material (except for bottom)	TEJIN LIMITED RESIN AND PLASTIC	TN-3745B(#)((#) - Suffix optional)	V-0, min. 1.2mm thickness, 60℃.	UL (E98529)
Plastic enclosure material (except for bottom) (Alt.)	TEJIN LIMITED RESIN AND PLASTIC	TN-7400B(#)((#) - Suffix optional)	V-0, min. 1.2mm thickness, 60℃.	UL (E98529)
Plastic enclosure material (except for bottom) (Alt.)	TEJIN LIMITED RESIN AND PLASTIC	TN-3715B(n1), (n1) - May be suffixed with any letters except D and Z)	V-0, min. 1.2mm thickness, 60℃.	UL (E98529)
Plastic enclosure material (except for bottom) (Alt.)	TEJIN LIMITED RESIN AND PLASTIC	TN-3713B(#), (#) - Suffix optional	V-0, min. 1.2mm thickness, 60℃.	UL (E98529)
Plastic enclosure material (except for bottom) (Alt.)	LOTTE CHEMICAL CORPORATION	GV-1155OP(RR50)	V-0, min. 1.2mm thickness, 75℃.	UL (E115797)

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Metal shielding (molded on plastic enclosure of keyboard side)	interchangeable	interchangeable	Aluminum alloy; 0.5mm thickness	-
CPU Fan for 150W	DELTA ELECTRONICS INC.	NS75C06-20K19	5Vdc, 0.5A max., 7.8 CFM min	Tested in appliance
CPU Fan for 150W (Alt.)	SUNONWEALTH ELECTRIC MACHINE INDUSTRY CO., LTD.	EG75070S1-C700-S9A	5Vdc, 0.6A max., 7.6 CFM min	Tested in appliance
CPU Fan for 200W	DELTA ELECTRONICS INC.	NS75C06-20K21	5Vdc, 0.5A max., 7.65 CFM min	Tested in appliance
CPU Fan for 200W (Alt.)	SUNONWEALTH ELECTRIC MACHINE INDUSTRY CO., LTD.	EG75090S1-C010-S9A	5Vdc, 0.6A max., 9.6 CFM min	Tested in appliance
GPU Fan for 150W	DELTA ELECTRONICS INC.	NS75C06-20K20	5Vdc, 0.5A max., 8.1 CFM min	Tested in appliance
GPU Fan for 150W (Alt.)	SUNONWEALTH ELECTRIC MACHINE INDUSTRY CO., LTD.	EG75070S1-C710-S9A	5Vdc, 0.6A max., 8.5 CFM min	Tested in appliance
GPU Fan for 200W	DELTA ELECTRONICS INC.	NS75C06-20K22	5Vdc, 0.5A max., 10.2 CFM min	Tested in appliance
GPU Fan for 200W (Alt.)	SUNONWEALTH ELECTRIC MACHINE INDUSTRY CO., LTD.	EG75090S1-C020-S9A	5Vdc, 0.6A max., 11.8 CFM min	Tested in appliance
Solid State Drive (SSD) (Optional)	WESTERN DIGITAL TECHNOLOGIES INC	SDyyxyyy-xxxxy-yyxy (x, y = 0-9, A-Z, blank)	3.3Vdc, 5Vdc, optional	CB by TUV RH
Solid State Drive (SSD) (Optional) (Alt.)	Interchangeable	Interchangeable	3.3Vdc, 5Vdc, optional	UL, Nemko, TUV, VDE or other certificate body



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Power distribution switch (for USB type C ports)	Texas Instrument	TPS65987S, may be followed by other characters that do not impact the safety feature of the device.	Input: Vin3.3 Vdc, PPV1=4.5 to 22Vdc when continuous current VBUS1 = 1 to 4A, protective current VBUS=1.39 to 4.91A; PPCABLE1 = 2.95 to 5.5Vdc when continuous current C1CC1/C1CC2=0.6A, protective current C1CC1/C1CC2=0.9A.	UL (E169910), CB by UL (US-30473-UL)
Power distribution switch (for USB type C ports) (Alt.)	Cypress Semiconductor Corp.	CYPD6127-48LQXI CCG6SF, CYPD6227-96BZXI CCG6DF	Input: 2.7-5.5Vdc (VSYS); 4-21.5Vdc (VBUS) Output: 5Vdc, 3A (VBUS); 5Vdc, 215mA (VCONN) (Protective Current 4.2A, include drift)	UL (E331901), CB by UL (DK-98487-UL)
Power distribution switch (for USB ports)	EXCELLIANCE MOS CORPORATION	EM5213AJ-25	2.5-5.5 Vdc, Output Continuous Rating: 2.5 A; Output Current Limit: 2.5 A	UL (E468218), CB by UL (US-27284-UL)
Power distribution switch (for USB ports) (Alt.)	Global Mixed-mode Technology Inc	G517H; followed by 1, 2, 3, or 4; followed by T1, TB, TO, TP, or P8; followed by 1, 2, or 3; followed by U or D; G517HX1X2X3X4, X1=1, 2, 3, or 4, X2=T1, TB, TO, TP or P8, X3=1, 2 or 3, X4=U or D	2.5-5.5 Vdc, Cont. Current: 2.6A, Prot. Current: 2.7-3.9A	UL (E232223), CB by TUV (JPTUV-077390)
Power distribution switch (for USB ports) (Alt.)	TEXAS INSTRUMENTS INC	TPS2546, may be followed by additional characters that do not impact the safety features of the device	4.5-5.5Vdc, Output Continuous Rating: 2.5A, Output Current Limit: 3.1A	UL (E169910), CB by UL (US-35117-UL)
Power distribution switch (for USB ports) (Alt.)	DONGGUAN CELLWISE MICRO ELECTRONICS CO LTD	HP3048BAAQ	4.5-5.5Vdc, Output Continuous Rating: 2.8A, Output Current Limit: 3.17A	CB by UL (DK-63696-M1-UL)
Polyswitch for HDMI port	Polytronics Technology Corp.	SPR-P150	6Vdc, I _h =1.5A, I _t =3.0A	UL (E201431), TUV (R50099121)

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Polyswitch for HDMI port (Alt.)	Littelfuse Inc.	0805L150ULXXYY YYY X stands for A to Z, 0 to 9 or blank, Y stands for A to Z, 0 to 9 or blank	6Vdc, I _h =1.5A, I _{trip} =3.0A	UL (E183209), TUV (R50119118)
Polyswitch for HDMI port (Alt.)	CYG Wayon Circuit Protection Co Ltd	LP-ISML150abcd a= C, U, blank, b= S, Z, blank, c= H, blank, d= F, blank	8Vdc, Max. non-tripping current=1.5A, Tripping current=3A	UL (E202125), TUV (R50318402)
PCB	CHUAN YI COMPUTER (SHENZHEN) CO LTD	CM-4	V-0, 130°C	UL (E162264)
PCB (Alt.)	Interchangeable	Interchangeable	Min V-1, 105°C min.	UL
Speaker (Two provided)	interchangeable	interchangeable	4 ohm max., 2.5W max.	Tested in appliance
Heat sink	Interchangeable	Interchangeable	-	Test with equipment
Keypads	Interchangeable	Interchangeable	Rated HB min.	UL
Reflector of keyboard mylar	Interchangeable	Interchangeable	V-0 or VTM-0 min.	UL
Mesh (for bottom enclosure)	Interchangeable	Interchangeable	Metal	Test with equipment
Mesh (for speaker)	SICHUAN DONGFANG INSULATING MATERIAL CO LTD	DFR117, DFR117ECO, A, DFR117ECOB, DFR117ECOC	VTM-0, 0.05-0.23mm thickness, 80°C	UL (E199019)
Adhesive for Mesh (for speaker)	Jiangsu Sidike New Materials Science & Technology Co.,Ltd.	DS-10B	-	Test in appliance

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3. 전기용품안전인증의 변경현황(Status of Certificate Revisions)

일자(Date)	발급현황(Status of issues)
	변경내용(Modification of Contents)
2021/03/24	안전확인(기본+파생)
2021/07/13	안전확인(부품)

4. 기타(Carefully Informed Note)

- 1) 안전관리부품 및 재질목록에 기재된 사항은 안전에 직접적인 영향을 주는 부분이므로 내용을 변경 또는 복수등재를 원하는 경우 안전인증변경신청 또는 안전확인변경신고를 하여야 합니다. 안전인증변경신청 또는 안전확인변경신고를 하지 않고 임의로 변경하는 경우에는 전기용품 및 생활용품 안전관리법에 따라 행정조치 될 수 있습니다.

The certificate holder should apply for a revision of the certificate if the registered critical components are to be changed, modified or alternated. Should the contents of Certificate be altered without the application for the modification, the administrative measures can occur according to the Electrical Appliances and Consumer Products Safety Control Act.

- 2) 공장주소(전화번호포함), 대표자, 상호 및 부품변경, 신고안정보 등 안전인증 또는 안전확인신고의 내용이 변경되었을 때, 안전인증변경신청 또는 안전확인변경신고를 하지 않을 경우에는 전기용품 및 생활용품 안전관리법에 따라 행정조치 될 수 있습니다.

Should a factory address, president name, manufacturer name and critical component be altered without the application for the modification, the administrative measures can occur according to the Electrical Appliances and Consumer Products Safety Control Act.

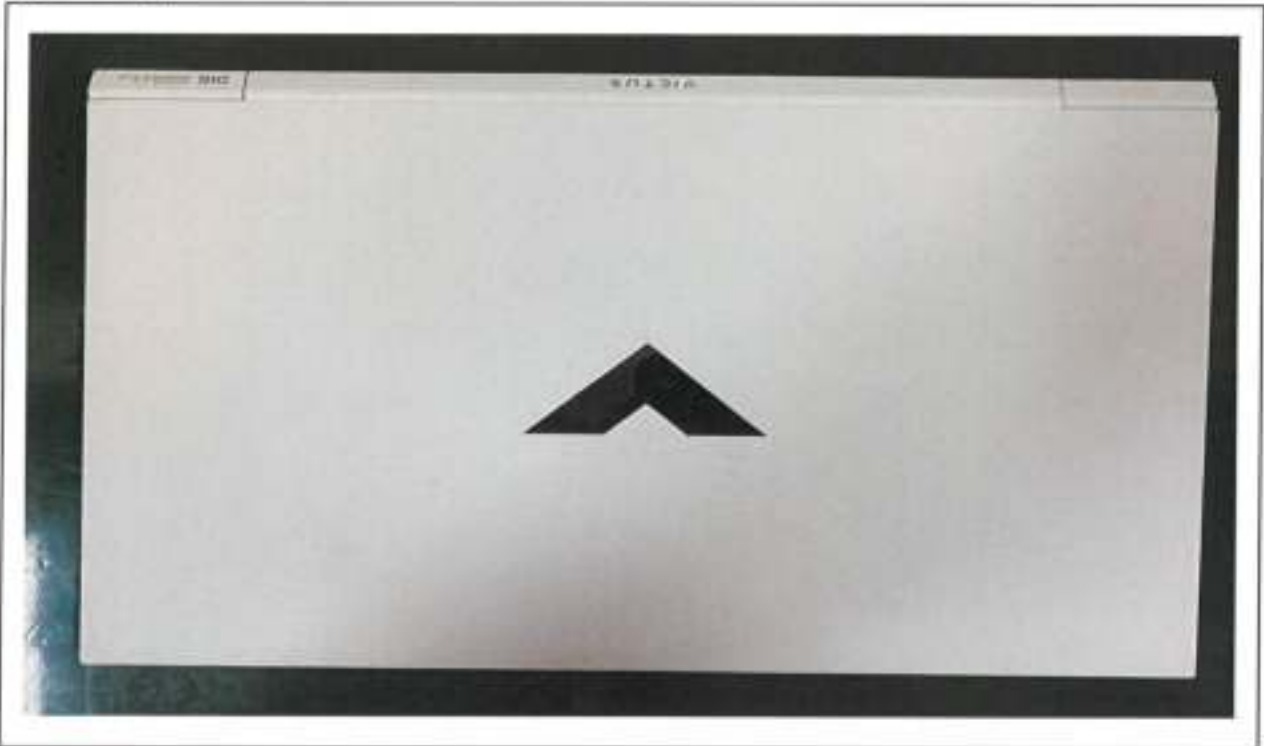
- 3) 조건부 인증사항 (Conditional certification items):

기술문서불임자료

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No.1 외부



No.2 외부



