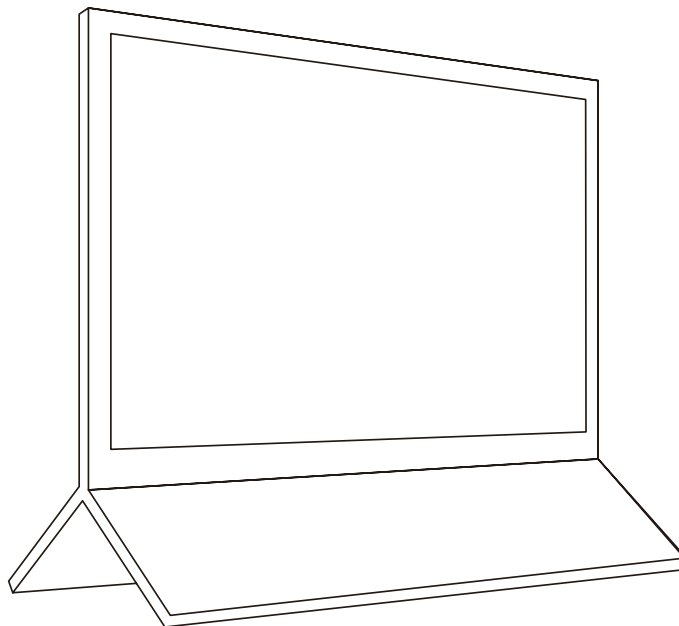


PHILIPS

Tableaux Display

2000 Series

7BDL2251I



User Manual (English)

Safety Instructions

Warnings and Precautions

KNOW THESE SAFETY SYMBOLS



CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



This symbol indicates high voltage is present inside. It is dangerous to make any kind of contact with any inside part of this product.



The electronic paper screen is composed of plastic film and ultra-thin glass, which is different from the LCD screen normally used. It cannot withstand any external impact, such as single-point or heavy object pressure, which may cause damage or breakage of the screen; please pay special attention to its use. The warranty does not cover screen breakage.



This symbol alerts you that important literature concerning operation and maintenance has been included with this product.

CAUTION: FCC/CSA regulations state that any unauthorized changes or modifications to this equipment may void the user's authority to operate it.

CAUTION: To prevent electric shock, match the wide blade of plug to the wide slot, and fully insert the plug.

TO PREVENT DAMAGE WHICH MAY RESULT IN FIRE OR ELECTRIC SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

The Socket-outlet should be installed near the apparatus and be easily accessible.



Read and follow these instructions when connecting and using your ePaper display:

- Unplug the display if you are not going to use it for an extensive period of time.
- Unplug the display if you need to clean it with a slightly damp cloth. The screen may be wiped with a dry cloth when the power is off. However, never use alcohol, solvents or ammonia-based liquids.
- Consult a service technician if the display does not operate normally when you have followed the instructions in this manual.
- The casing cover should be opened only by qualified service personnel.

- Keep the display out of direct sunlight and away from stoves or any other heat sources.
- Keep the display away from oil, otherwise the plastic cover may be damaged.
- Remove any object that could fall into the vents or prevent proper cooling of the display's electronics.
- Keep the display dry. To avoid electric shock, do not expose it to rain or excessive moisture.
- If turning off the display by detaching the power cable, wait for 6 seconds before re-attaching the power cable for normal operation.
- To avoid the risk of shock or permanent damage to the set do not expose the display to rain or excessive moisture.
- When positioning the display, make sure the power plug and outlet are easily accessible.
- **IMPORTANT:** Always activate a screen saver program during your application. If a still image in high contrast remains on the screen for an extended period of time, it may leave an 'after-image' or 'ghost image' on the front of the screen. This is a well-known phenomenon that is caused by the shortcomings inherent in Microcapsule technology. In most cases the afterimage will disappear gradually over a period of time after the power has been switched off. Be aware that the after-image symptom cannot be repaired and is not covered under warranty.


Environmental absolute ratings

Item	Min.	Max.	Unit
Storage temperature	-25	50	°C
Operation temperature	15	35	°C
Glass Surface temperature (Operation)	0	65	°C
Storage humidity	5	95	% RH
Operating humidity	30	80	% RH

- Please confirm that the power distribution system installed in the building provides a circuit breaker for a rated voltage of 120/240V and a maximum of 20A.
- If provided with a 3-pin attachment plug on the power cord, plug the cord into a grounded (earthed) 3-pin outlet. Do not disable the power cord grounding pin, for example, by attaching a 2-pin adapter. The grounding pin is an important safety feature.
- **Stability Hazard.**
The device may fall, causing serious personal injury or death. To prevent injury, this device must be securely attached to the floor/wall in accordance with the installation instructions.

Important Safety Instructions

1. Read these instructions.
2. Keep these instructions.
3. Read all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Install in accordance with the manufacturer's instructions.

8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over. 
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPARATUS TO RAIN OR MOISTURE.

WARNING: Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.

WARNING: The batteries (batteries not included in the package contents) shall not be exposed to excessive heat such as sunshine, fire or the like.

WARNING: The mains plug or appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.

WARNING: To prevent the spread of fire, keep candles or other open flames away from this product at all times.



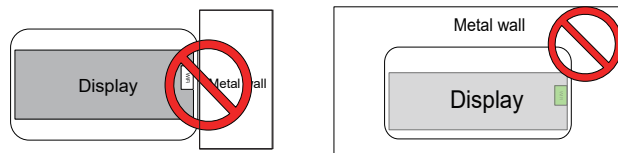
WARNING: To prevent injury, this apparatus must be securely attached to the floor/wall in accordance with the installation instructions.

CAUTION: These servicing instructions are for use by qualified service personnel only. To reduce the risk of electric shock, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so.

Important information

Never place a Display in an unstable location. A Display may fall, causing serious personal injury or death. Many injuries, particularly to children, can be avoided by taking simple precautions such as:

- Using cabinets or stands recommended by the manufacturer of the Display.
- Only using furniture that can safely support the Display.
- Ensuring the Display is not overhanging the edge of the supporting furniture.
- Not placing the Display on tall furniture (for example, cupboards or bookcases) without anchoring both the furniture and the Display to a suitable support.
- Not placing the Display on cloth or other materials that may be located between the Display and supporting furniture.
- Educating children about the dangers of climbing on furniture to reach the Display or its controls.
- Do not place the side Wi-Fi near any metal objects or metal walls. If the side Wi-Fi needs to be placed beside a metal object or metal wall, please keep a distance of at least 1.2 meters. Do not place it in front of any metal object, metal wall or metal desk. If it is placed directly in front of a metal object or against a metal wall, please keep a distance of at least 1.2 meters.



- It is recommended to place the router behind the electronic screen without any metal or solid wall in the middle.
- "Burn-in" may appear if the screen is not refreshed for a long time, and it is recommended to refresh the screen at least once every 48 hours. If the "burn-in" problem occurs, reduce the problem by alternating all black and all white pictures. The number of times alternating black and white pictures required depends on how long the screen has not been refreshed.
- The optical values of EPD will be different in the three temperature ranges of low (15~19°C), middle (20~29°C) and high (30~35°C), resulting in slight discoloration of the displayed color, which belongs to the EPD characteristics with high sensitivity to temperature. It is normal that the temperature change picture will have color differences in a short time, and will not have adverse effects on the functional operation of the whole machine.

Caution: Risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to the instructions.

Battery abuse or mishandling can cause overheating, liquid leakage, or an explosion.

To avoid possible injury, follow these instructions:

DO NOT open, disassemble, or service any battery.

DO NOT crush or puncture the battery.

DO NOT short-circuit the battery, or expose it to water or other liquids.

DO NOT dispose of in fire.

Do NOT use another type of battery to replace the batteries.

Do NOT attempt to charge the battery with the device.

Do NOT mix to use the old and new batteries.

Keep away from children.

Batteries are to be inserted with the correct polarity.


Exhausted batteries or not using equipment for a long time, must be removed the batteries from the product.

After replacing the batteries, ensure that the battery compartment cover is locked.

Stop using the battery if it is damaged, or if you notice any discharge or the buildup of foreign materials on the battery leads.

Do not put the battery in trash that is disposed of in landfills. When disposing of the battery, comply with local ordinances or regulations.

Federal Communications Commission (FCC) Notice (U.S. Only)

 This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC / ISSED's licence-exempt RSSs Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Le présent appareil est conforme aux CNR d'ISSED applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) le dispositif ne doit pas produire de brouillage préjudiciable, et (2) ce dispositif doit accepter tout brouillage reçu, y compris un brouillage susceptible de provoquer un fonctionnement indésirable.

FCC/ISED/CE-RED Caution:

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Operations in the 5GHz products are restricted to indoor usage only.

Déclaration d'exposition aux radiations:

Cet équipement est conforme aux limites d'exposition aux rayonnements ISSED établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 20 cm de distance entre la source de rayonnement et votre corps.

EU Declaration of Conformity/UK Declaration of Conformity

This device complies with the requirements set out in the Council Directive on the Approximation of the Laws of the Member States relating to Electromagnetic Compatibility (2014/30/EU), Low-voltage Directive (2014/35/EU), RoHS directive (2011/65/ EU), ErP directive (2009/125/EC).The Radio Equipment Directive(2014/53/EU) or Radio Equipment Regulations 2017(for UK). The following test methods have been applied in order to prove presumption of conformity with the essential requirements of the Radio Equipment Directive.

Radiation Exposure Statement:

This equipment complies with CE radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & body.

The frequency, mode and the maximum transmitted power are listed below:

2400-2483.5MHz: < 20 dBm (EIRP) (for 2.4G product only)

5150-5250MHz: < 23 dBm (EIRP)

5250-5350MHz: < 23 dBm (EIRP)

5470-5725MHz: < 30 dBm (EIRP)

5725-5825MHz: < 13.98 dBm (EIRP)

The device is restricted to indoor use only when operating in the 5150 to 5350MHz frequency range. (for 5G product only)

	AT	BE	BG	HR	CY	CZ	DK
	EE	FI	FR	DE	EL	HU	IE
	IT	LV	LT	LU	MT	NL	PL
	PT	RO	SK	SI	ES	SE	UK(NI)
	UK						

中国 RoHS

根据中国大陆《电器电子产品有害物质限制使用管理办法》，以下部分列出了本产品中可能包含的有害物质的名称和含量。
因型号不同，产品可能不包含以下部分部件，请以产品实际销售配置为准。

部件名称	有害物质									
	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr (VI))	多溴联苯 (PBBs)	多溴二 苯醚 (PBDEs)	邻苯二甲酸 二 (2- 乙基) 己酯 (DEHP)	邻苯二甲 酸 丁 苈酯 (BBP)	邻苯二甲 酸 二正丁酯 (DBP)	邻苯二甲 酸二异丁 酯 (DIBP)
外壳	O	O	O	O	O	O	O	O	O	O
电子墨水屏	X	O	O	O	O	O	O	O	O	O
电路板组件 *	X	O	O	O	O	O	O	O	O	O
电源适配器	X	O	O	O	O	O	O	O	O	O
电源线 / 连接线	X	O	O	O	O	O	O	O	O	O
电池	X	O	O	O	O	O	O	O	O	O
<p>本表格依据SJ/T 11364 的规定编制。</p> <p>*: 电路板组件包括印刷电路板及其构成的零部件，如电阻、电容、集成电路、连接器等。</p> <p>O: 表示该有害物质在该部件所有均质材料中的含量均在 GB 26572规定的限量要求以下。</p> <p>X: 表示该有害物质至少在该部件的某一均质材料中的含量超出GB 26572规定的限量要求。</p> <p>上表中打“×”的部件，应功能需要，部分有害物质含量超出GB 26572规定的限量要求，但符合欧盟RoHS法规要求（属于豁免部分）。</p>										



在产品本体上标示的该标志表示环境保护使用期限为 10 年。

电子信息产品的环境保护使用期限是指电子信息产品中所含的有害物质不会向外部泄漏或出现突然变异，并且电子信息产品的用户在使用该电子信息产品时也不会对环境造成严重污染或对人体、财产带来严重损害的期限。

在环境保护期限内，请按照使用说明书使用本产品。

本环境保护使用不覆盖易损件：电池。

《废弃电子产品回收处理管理条例》提示性说明

为了更好地关爱及保护地球，当用户不再需要此产品或产品寿命终止时，请遵守国家废弃电器电子产品回收处理相关法律法规，将其交给当地具有国家认可的回收处理资质的厂商进行回收处理，不当利用或者处置可能会对环境和人类健康造成影响。

中国 RoHS 合格评定制度标识

为从源头上限制电器电子产品有害物质使用，减少产品废弃后对环境造成的污染，增加绿色产品供给，促进绿色消费，本产品满足《电器电子产品有害物质限制使用管理办法》引用的相关标准要求；根据《电器电子产品有害物质限制使用合格评定制度实施安排》之规定，采用符合性申明之合格评定方式，按规定要求使用如下合格评定标识：





仅适用于非热带气候条件下安全使用：

仅适用于非热带气候条件下安全使用。

“接入本设备的有线网络天线必须与保护接地隔离，不然可能会引起着火等危险！”

警語：使用過度恐傷害視力。

注意事項：

(1) 使用 30 分鐘請休息 10 分鐘。

(2) 未滿 2 歲幼兒不看螢幕，2 歲以上每天看螢幕不要超過 1 小時。

Waste Electrical and Electronic Equipment- WEEE

Attention users in European Union private households



This marking on the product or on its packaging illustrates that, under European Directive 2012/19/EU governing used electrical and electronic appliances, this product may not be disposed of with normal household waste. You are responsible for disposal of this equipment through a designated waste electrical and electronic equipment collection. To determine the locations for dropping off such waste electrical and electronic, contact your local government office, the waste disposal organization that serves your household or the store at which you purchased the product.

Taiwan:

低功率電波輻射性電機管理辦法

取得審驗證明之低功率射頻器材，非經核准，公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。低功率射頻器材之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。前述合法通信，指依電信管理法規定作業之無線電通信。低功率射頻器材須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。

在 5.25-5.35 兆赫頻帶內操作之無線資訊傳輸設備，限於室內使用。應避免影響附近雷達系統之操作。

高增益指向性天線只得應用於固定式點對點系統”

WLAN/BT/RFID 非點對點系統 & 高增益系統，可依客戶要求不標示，此段文字”高增益指向性天線只得應用於固定式點對點系統”

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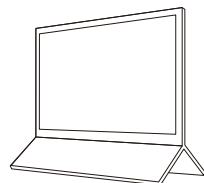
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1. Unpacking and Installation

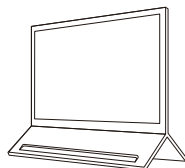
1.1. Unpacking

- This product is packed in a carton, together with the standard accessories.
- Any other optional accessories will be packed separately.
- After opening the carton, ensure that the contents are complete and in good condition.

1.2. Digital Tabletop Signage



Front side

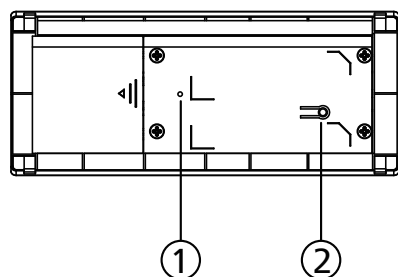


Back side

1.3. Installation Notes

- The product should be installed on a flat surface, or the product may tip over. Leave a space between the rear of the product and the wall for proper ventilation. Do not install the product in a kitchen, bathroom or a place exposed to moisture, failure to do so may shorten the life of the internal parts.
- Do not install the product where it is 3,000m and higher in altitude. Failure to do so may result in malfunctions.

2. Parts and Functions



① Restart Button

② Function Button and Indicators

Function Button:

Press and hold for 5 seconds to display the factory default screen.

Indicator Status:

A red light indicates the battery power is low and the device may not be refreshed properly.

3. Cleaning and Troubleshooting

3.1. Cleaning

Caution When Using the Display

- Be sure to disconnect all cables before moving the monitor. Moving the monitor with its cables attached may damage the cables and thus cause fire or electric shock.
- Disconnect the power plug from the wall outlet as a safety precaution before carrying out any type of cleaning or maintenance procedure.

Front Panel Cleaning Instructions

- The front of the display has been specially treated. Wipe the surface gently using only a cleaning cloth or a soft, lint-free cloth.
- If the surface becomes dirty, soak a soft, lint-free cloth in a mild detergent solution. Wring the cloth to remove excess liquid. Wipe the surface of the display to remove dirt. Then use a dry cloth of the same type to dry.
- Do not scratch or hit the surface of the panel with fingers or hard objects of any kind.
- Do not use volatile substances such as insect sprays, solvents and thinners.

3.2. Troubleshooting

Problem	Possible reason	Solution
No screen update	1.Whether the built-in lithium battery is dead 2.Whether the device is not in normal operation mode 3.Whether APP operation is improper	1. Refer to the above key functions to make the device enter the working mode 2. Refer to the software mapping chapter or the instructions in the APP

4. Technical Specifications

Display

Item	Specifications
Screen Size (Active Area)	160 × 96mm/7.3 Inch
Aspect Ratio	5:3
Number of pixels	800 (H) × 480 (V)
Pixel pitch	0.200 × 0.200mm
Displayable colors	6 colors

General:

Item	Specifications
Power Input	3~3.3V=== 0.2A
Power Consumption (Typ.)	0.6 W
Power Consumption (Standby & Off)	0.03 W
Dimensions (Without Stand) [W x H x D]	173.8 x 141.8 x 73.6 mm
Weight	0.227 kg
Display Resolution (Pixels)	800 x 480

Environmental Condition:

Item		Specifications
Temperature	Operational	15 - 35°C
	Storage	-25 - 60°C
Humidity	Operational	35 - 80% RH (No condensation)
	Storage	5 - 95% RH (No condensation)
Altitude	Operational	0 - 3,000 m
	Storage / Shipment	0 - 9,000 m

PHILIPS

Professional Displays

Warranty

Warranty policy for Philips Professional Displays

Thank you for purchasing this Philips product. Philips products are designed and manufactured with high standards and deliver high quality performance, ease of use and ease of installation. If you encounter any difficulties while using your product, we recommend that you first consult the user manual or the information in the support section of the website, where (depending on the product type) you may find a downloadable user manual, frequently asked questions, instruction videos or a support forum.

LIMITED WARRANTY

In the unlikely event the product requires service, we will arrange for your Philips product to be serviced free-of-charge within the warranty period, provided that the product was used in accordance with the user manual (e.g. in the intended environment).

For these product categories, a partner company of Philips is the warrantor of the product. Please check the documentation supplied with your product.

WHO IS COVERED?

Your Warranty coverage begins from the first date of purchase of the product. You need to provide proof of purchase to receive warranty service. A valid sales receipt or other valid document showing that you purchased the product is considered proof of purchase.

WHAT IS COVERED?

If any defect due to faulty materials and/or workmanship occurs within the warranty period, we will make arrangements for a free of charge service. Where a repair is not possible or not commercially viable, we may replace the product with a new or equivalent refurbished product with similar functionality. Replacement will be offered at our discretion and the warranty will continue from the date of original purchase of the first date of purchase of the product. Please note that all parts, including repaired and replaced parts, are covered only for the duration of the original warranty period.

WHAT IS EXCLUDED? Your warranty does not cover:

- Consequential damages (including but not limited to loss of data or loss of income), nor compensation for activities done by yourself, such as regular maintenance, installing firmware updates or saving or restoring data (Some states do not allow the exclusion of incidental or consequential damages, so the above exclusion may not apply to you. This includes, but is not limited to, prerecorded material, whether copyrighted or not copyrighted.)
- Labor charges for installation or setup of the product, adjustment of customer controls on the product, and installation or repair of various types of external devices (e.g., WiFi, antenna, USB dongles, OPS type devices) and other systems outside of the product.
- Reception problems caused by signal conditions or cable or antenna systems outside the unit.
- A product that requires modification or adaptation to enable it to operate in any country other than the country for which it was designed, manufactured, approved and/or authorized, or repair of products damaged by these modifications.
- If the model or production number on the product has been altered, deleted, removed or made illegible.

The warranty applies on condition that the product has been handled properly for its intended use and in accordance with the operating instructions

To Obtain Warranty Service And Information

For detailed warranty coverage information and additional support requirement and help line, please contact the seller and/or system integrator you purchased the product from. Please note in the USA, this limited warranty is only valid for Products purchased in the Continental United States, Alaska, and Hawaii.

Before Requesting Service

Please check your user's manual before requesting service. Adjustments of the controls discussed there may save you a service call.

WARRANTY PERIOD

Warranty period for PHILIPS signage display is listed as below, for areas not covered in this table, please follow their warranty statement.

Standard warranty period for PHILIPS signage display is listed as below, for areas not covered in this table, please follow the local warranty statement.

Region	Standard Warranty Period
USA, Canada	3 years
China	3 years
Japan	3 years
Rest of world	3 years
Mexico	3 years
Brazil	3 years
Chile	3 years
Peru	3 years

Note that for professional products, the specific warranty terms of the sale- or purchase agreement may apply.



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Specifications are subject to change without notice.

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