



Operating Instructions 使用説明

CFexpress Card

Model No./ 型號

**RP-CFEX128/
RP-CFEX256**



Thank you for purchasing this product.

- Please read these instructions carefully before using this product, and save this manual for future use.

Supplied accessory:	CFexpress card case (1)
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READ THIS FIRST

You may be prompted to format the card when it is used with equipment not compatible with the CFexpress card. Doing so will result in loss of data, so be sure to cancel.

A About this CFexpress card

This CFexpress card can only be used with CFexpress compatible equipment. Before using this card, please confirm that your equipment is compatible with CFexpress cards.

- This card has been formatted already, but refer to the operating instructions of the CFexpress-compatible equipment before using it.

B How to check CFexpress compatible equipment

Check the presence of the CFexpress logo, or refer to the operating instructions of the equipment or the information supplied by the manufacturer.

When the CFexpress card is inserted into equipment not compatible with CFexpress cards

- A message saying that "Re-insert the card", "This card cannot be used", etc., may display.
- A message saying "This card needs to be formatted", etc., or a format screen may display.
→ Do not format the card as problems with compatibility will occur if you format it in incompatible equipment.
- The power may not go on.

When the CFexpress card is used on equipment not compatible with CFexpress cards

- Note that it may cause a problem with the compatibility of the card or data may be lost.

C Precautions

■ WARNING

Cease use immediately in the event of abnormalities or malfunctions

- **Whenever any smoke, odd odor, unusual noise is detected**
- **When liquid or foreign objects got inside**
- **When damaged**
- **When abnormally hot**

Fire or electrocution may result if you continue use.

- Cease use and consult your dealer.

Do not disassemble or modify

Burns or fire may result if the card malfunctions or metal objects get into it.

Do not put metal objects into the card or allow liquids such as water to get onto it

Fire or electrocution may result due to shorting and overheating.

- Do not place receptacles containing liquids such as water or metal objects near or above this product.
- Be particularly careful when there are children around.

Do not touch this product with wet hands or use it in wet areas

The card may malfunction or fire or electrocution may result.

- Do not use the product in locations that have a lot of water, humidity, steam, dust, or oily smoke such as a bathroom.

■ CAUTION

Do not place in locations such as the following where temperatures can get very high:

- **In locations exposed to direct sunlight**
In particular, temperatures in mid-summer vehicle cabins and trunks can become unimaginably high (approximately 60 °C or more). Never leave this product in such areas.
- **In locations subject to strong magnetic fields or static electricity**
- **In locations where the humidity exceeds the usage environment stipulated in the operating instructions for this product, or where condensation occurs**
- **In very dusty locations**
- **Near flames or where hot air collects**
- **In places where there is a danger of current leakage or water leakage**

The card may malfunction or fire or electrocution may result.

- This can also cause deterioration of the casing and internal parts, so care should be taken.

Take care of high temperatures when removing from the device

In particular, the metal surfaces can become hot. Check as you remove it.

Do not touch the product directly for long periods

Directly touching the hot parts of the product over long periods can be the cause of low temperature burns*.

- * People with poor blood circulation (people with vascular disorders, defective circulation, diabetes, or receiving intense pressure) or people with sensitive skin are prone to low-temperature burns.

Keep out of reach of children

Danger of swallowing.

- If swallowed, seek medical advice immediately.

D Specifications

Capacity indicated on the card:

128 GB (RP-CFEX128)

256 GB (RP-CFEX256)

Card type:

CFexpress Ver.2.0 TypeB

Interface:

PCIe Gen3 x2

Protocol:

NVMe1.3

Data transfer speed:

Maximum read out speed: 1700 MB/s

Maximum write speed: 1000 MB/s

Default formatting type:

exFAT

Operating temperature:

−10 °C to 70 °C

Operating humidity:

5 %RH to 95 %RH (no condensation)

Operating voltage:

3.3 V

Storage temperature:

−40 °C to 85 °C

Dimensions (Width×Length×Thickness):

38.5 mm×29.6 mm×3.8 mm

Mass (Weight):

Approx. 8 g

- Specifications are subject to change without notice.

E When using or storing the card

- Different devices have different formatting requirements. When reformatting the card, format according to the operating instructions of the device. All of the data stored on the CFexpress card is deleted when it is formatted. Before formatting, save any necessary data to your computer, etc.
- Do not disassemble, alter, apply strong shocks, bend, drop or wet with water. These can cause the card to malfunction. Furthermore, do not touch the metal terminals with your hands or metals.
- Do not peel off the labels that are attached or attach new labels or stickers.
- The device may not be able to function properly, so do not use where it can be subjected to the effects of static electricity or electronic noise. If the device stops working properly, switch the device off, remove the card from the device, then insert the card again.
- After using the card, put it back into the supplied card case for storage.
- Do not leave in locations that may become hot such as in cars or exposed to direct sunlight. Do not leave in locations with high humidity, where there is a lot of dust, or where corrosive gases, etc., may occur.
- Under no circumstances should this product be used in applications where special quality or reliability is a requirement, where malfunction or erroneous operation can directly threaten human life or cause harm to people, or for specialist applications (for aeronautical or astronomical purposes, for transportation devices, for combustion devices, for life-supporting devices, for safety apparatuses, etc.).

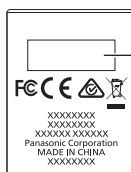
F Protecting your data

- Do not remove the card, or turn off devices or peripheral devices in which the card is inserted while the CFexpress card is working (data is being read or written). Do not remove the batteries from battery-operated equipment. These actions can cause data to be destroyed.
- We recommend backing up important data. Panasonic will not accept responsibility for any data loss, or loss directly or indirectly caused by data loss.

■ About writing on this card

The space for writing on the card can be directly written on using an oil-based pen, etc.

(Rear)

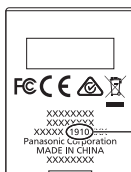


Space for writing

- Do not use excessive force as it may damage the card. Take care not to stain the metal terminals.

G Identifying the week and year of production

(Rear)



Week and year of production (the numbers are examples)

1910

a b

a Year of production

19: 2019

20: 2020

⋮

b Week of production

01: Week 1 of the year of production

02: Week 2 of the year of production

⋮

H Cautions about disposal or transferring ownership of this card

CFexpress compatible equipment may contain the functions "Format" and "Erase". However, in most cases all data on the card will not be completely erased even after performing these functions. Be aware of this when transferring the card to another person.

When you dispose of the CFexpress card, destroy it physically and follow your local rules of separation and disposal of waste.

The data recorded to the CFexpress card is protected by copyright laws and, apart from personal use, may not be used without the permission of the rights holder.

Panasonic takes no responsibility for any loss or direct or indirect failure that might occur to the data recorded on the CFexpress card.

The CFexpress logo is a trademark licensed by the CompactFlash Association.

感謝您購買本產品。

- 使用本產品前請仔細閱讀這些說明，並保留本說明書供日後使用。

提供的附件： CExpress 記憶卡存放盒（1）

請先閱讀本內容

在與 CExpress 記憶卡不相容的設備使用時，螢幕可能提示您將記憶卡格式化。這樣做可能使資料遺失，因此務必取消此動作。

A 關於此 CExpress 記憶卡

此 CExpress 記憶卡只能使用於 CExpress 相容設備。使用此記憶卡之前，請先確定設備與 CExpress 記憶卡相容。

- 此記憶卡已經過格式化，但仍請先參閱 CExpress 相容設備的操作說明，然後再開始使用。

B CExpress 相容設備檢查方式

請查看 CExpress 標誌標記、設備操作說明，或製造商所提供的資訊。

CExpress 記憶卡插入與 CExpress 記憶卡不相容的設備時

- 可能顯示“請重新插入記憶卡”、“無法使用此記憶卡”等訊息。
- 可能顯示“需格式化此記憶卡”等訊息或格式化畫面。
→ 此時請勿將記憶卡格式化，因為用不相容的設備進行格式化可能導致相容性的問題。
- 可能不接通電源。

CExpress 記憶卡使用在與 CExpress 記憶卡不相容的設備時

- 要注意記憶卡可能發生相容性的問題，或資料可能遺失。

C 注意事項

警告

- 出現異常或故障時，請立即停止使用
- 發現任何煙霧、異味、異常噪音時
 - 有液體或異物滲入時
 - 損壞時
 - 異常過熱時

此時繼續使用可能起火或觸電。

- 請停止使用並向經銷商諮詢。

請勿拆卸或改裝

記憶卡故障或有金屬物體進入記憶卡時，可能引發燙傷或起火。

請勿讓金屬物體進入記憶卡內，或將水等液體潑灑在記憶卡上可能因短路或過熱而導致起火或觸電。

- 請勿將內含有水等液體或金屬物體的插座放在本產品附近或上方。
- 有孩童在附近時，務必特別小心。

請勿在手有水的情況下碰觸本產品或在潮濕的區域使用

否則記憶卡可能故障或導致起火或觸電。

- 請勿在易碰水、濕氣、蒸氣、灰塵或油霧的地方（例如，浴室）使用本產品。

注意

請勿將產品放在溫度可能變得很高的地方，如下列所示：

- 受到陽光直射的地方
尤其是在炎熱夏天，汽車車廂和後行李廂內可能極為高溫（約 60 °C 或以上）。絕不可將本產品放在下列區域。
- 存在強烈磁場或靜電的地方
- 濕度超過本產品操作說明指定之使用環境，或可能發生凝結的地方
- 灰塵很多的地方
- 靠近火焰或熱氣匯聚之處
- 可能漏電或漏水的地方

否則記憶卡可能故障或導致起火或觸電。

- 也可能導致外殼和內部零件老化，因此務必小心。

從裝置內取出記憶卡時，要小心記憶卡是否過熱

尤其金屬表面可能變得很熱，取出時請先檢查。

請勿長時間直接觸碰本產品

長時間直接觸碰本產品過熱的部位，可能導致低溫燙傷*。

- * 血液循環不良的人（有心血管疾病、循環機能不全、糖尿病，或血壓過高）或有敏感性肌膚的人容易發生低溫燙傷。

請放在兒童接觸不到的地方

有吞食的危險。

- 若吞食，請立即就醫診察。

D 規格

記憶卡顯示容量：

128 GB (RP-CFEX128)

256 GB (RP-CFEX256)

記憶卡類型：

CFexpress Ver.2.0 TypeB

介面：

PCIe Gen3 x2

通訊協定：

NVMe1.3

資料傳輸速率：

最大讀出速度：1700 MB/s

最大寫入速度：1000 MB/s

預設格式化類型：

exFAT

作業溫度：

-10 °C 至 70 °C

工作濕度：

5 %RH 至 95 %RH (無凝結)

作業電壓：

3.3 V

存放溫度：

-40 °C 至 85 °C

尺寸 (寬 × 長 × 厚)：

38.5 mm × 29.6 mm × 3.8 mm

重量：

約 8 g

- 規格如有變更，恕不另行通知。

E 使用或存放記憶卡時

- 不同裝置各有不同的格式化需求。格式化記憶卡時，請依裝置的操作說明進行格式化。格式化時會刪除 CFexpress 記憶卡上儲存的所有資料。格式化之前，請先將任何必要資料儲存至電腦等裝置。
- 請勿拆解、變造、猛烈撞擊、折彎、摔落或沾水，否則記憶卡可能故障。此外，請勿用手或金屬物體觸碰金屬端子。
- 請勿撕下記憶卡上黏貼的標籤或貼上新的標籤或貼紙。
- 請勿在可能受到靜電或電子雜訊影響的地方使用本裝置，否則裝置可能無法正常運作。如果裝置停止正常運作，請先關閉裝置電源，從裝置中取出記憶卡，然後重新插入。
- 使用完後，請將記憶卡放回隨附的記憶卡存放盒保存。
- 請勿將記憶卡放在車內等溫度可能變高的地方或受到陽光直射的地方。請勿將記憶卡放在可能含高濕度、過多灰塵或腐蝕性氣體等的地方。
- 絕不可將本產品使用於對品質或可靠性有特殊需求的應用、故障或操作錯誤可能直接威脅生命或造成人員受傷的應用，或專業應用（用於航空或太空用途、交通裝置、燃燒裝置、維生裝置、安全器械等）。

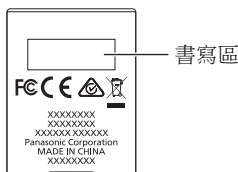
F 數據的保護

- 請勿在 CFexpress 記憶卡運作（正在讀取或寫入資料）時取出記憶卡，或關閉插入記憶卡的裝置或週邊裝置的電源。請勿取出電池供電設備內的電池。以上這些動作可能導致資料毀損。
- 建議備份重要資料。對於任何資料遺失，或因資料遺失而直接或間接導致的損失，Panasonic 概不負責。

■ 關於在此卡上的書寫

記憶卡上的書寫區可直接使用油性筆等工具在上面書寫。

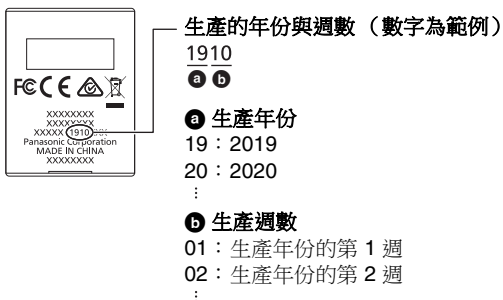
(背面)



- 請勿過於用力，因為這可能會損壞此卡。請小心不要弄髒金屬端子部分。

G 標示生產的年份與週數

(背面)



H 棄置或轉換本卡所有權的注意事項

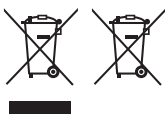
CFexpress 相容設備可能包含“格式化”和“清除資料”等功能。但在多數情況下，即使執行這些功能後，記憶卡上的所有資料也不會完全抹除，將記憶卡轉交給他人使用時請特別留意。要丟棄 CFexpress 記憶卡時，請以物理方式破壞記憶卡，然後依照當地法規進行廢棄物分類與處置。

CFexpress 記憶卡內記錄的資料受到著作權法保護，除了個人使用外，未取得著作權所有人同意前不得使用。

對於 CFexpress 記憶卡內記錄的資料所可能發生的任何損失或直接或間接故障，Panasonic 概不負責。

CFexpress 標誌為 CompactFlash Association 所授權的商標。

Disposal of Old Equipment and Batteries
Only for European Union and countries with recycle
systems



These symbols are only valid in the European Union and countries with recycle systems. If you wish to discard this product, please contact your local authorities or dealer and ask for the correct method of disposal.