



# C-Ming Technology Co., Ltd.

## Product Definition

☒ No-brand Product

☐ OEM/ODM Product

☐ Semi-finished Product

☐ Component

## **CBECA-C02**

**32-bit CardBus / 16-bit PCMCIA PC Card  
to  
PCI-E ExpressCard/34 Adapter**

## **Specifications for Approval**

Approval	Manager	Issued By

## Revision History

Revision	Date	Description	PM
1.0	April, 2010		PHIL

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## 1 Introduction



\* This photo is for reference only; the actual product could be slightly different.

**C-Ming Technology** proudly presents you a perfect solution for converting the 16-bit/32-bit PC Card to standard ExpressCard/34.

CBECA-C02 accepts 32-bit CardBus/16-bit PCMCIA PC Card and supports PCI-E interface.

CBECA-C02 supports any kinds of PCMCIA and CardBus PC Card applications, such as 16-bit memory card adapter, ATA card, 32-bit 3G/3.5G I/O card, wireless I/O card, etc. It is a very convenient device for any Notebook or PC equipped with ExpressCard socket to use PC Card.

## 2 Features and Specifications

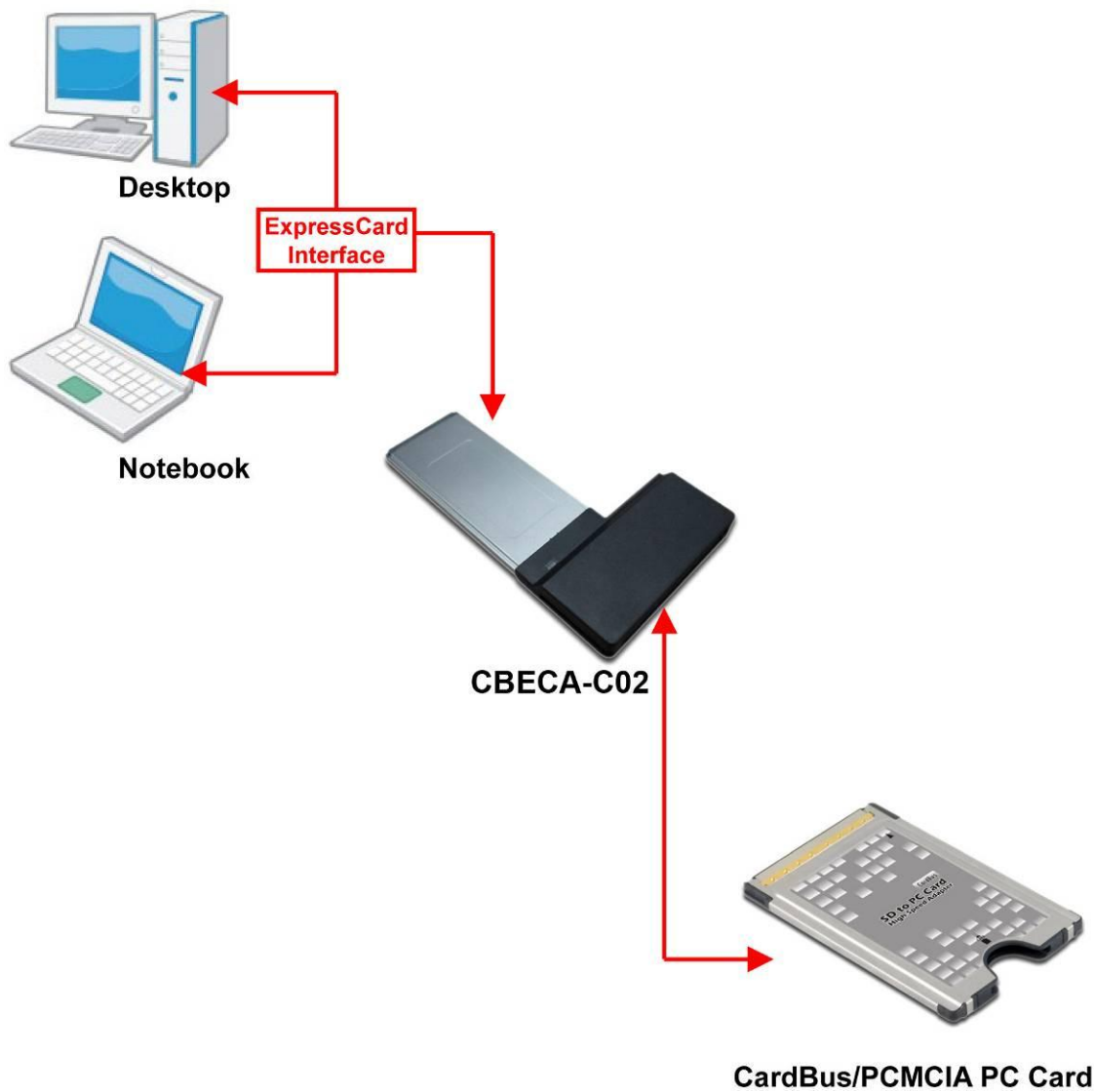
### 2.1 Features

- ExpressCard (PCI Express x1) interface.
- Compliant with PCI Express Base Specification Rev 1.1.
- 32-bit CardBus PC Card support.
- Compliant with PC Card Standard Release 8.1 Specification.
- Supports Posting Write and Prefetching Read for PC Card.
- 16-bit PCMCIA PC Card support.
- Compliant with PC Card Standard Release 8.1 16-bit Specification.
- Compliant with i82365SL compatible register set/ExCA.
- Supports Legacy 16-bit mode.
- Supports CompactFlash PC Card mode.
- ExpressCard/34 design; can be inserted into any ExpressCard/34 or ExpressCard/54 sockets.
- 2 LED are quipped for indicating the status of power and access.
- Provides 3.3V / 5V power operation.
- Supports Windows Vista / Windows 7.
- Suitable for any notebooks with ExpressCard socket to use any 32-bit/16-bit PC Card.

## 2.2 Specifications

Input Socket	
Single Socket	<ul style="list-style-type: none"><li>• 32-bit CardBus PC Card (PC Card Standard Release 8.1 Specification)</li><li>• 16-bit PCMCIA PC Card (PC Card Standard Release 8.1 16-bit Specification)</li></ul>
Output Interface	
ExpressCard/34 (PCI Express x1 interface) Compliant with PCI Express Base Specification Rev 1.1.	
Power Output	
3.3V / 5V	
Supporting OS	
Microsoft Windows VISTA / Windows 7	
Safety Approval	
CE / FCC	
Physical Character	
Length	• 110.0 mm
Width	• 64.0 mm
Height	• 9.0 mm
Weight	
≐ 31g	

### 2.3 Application Diagram



\* This photo is for reference only; the actual product could be slightly different.

### **3 Accessories**

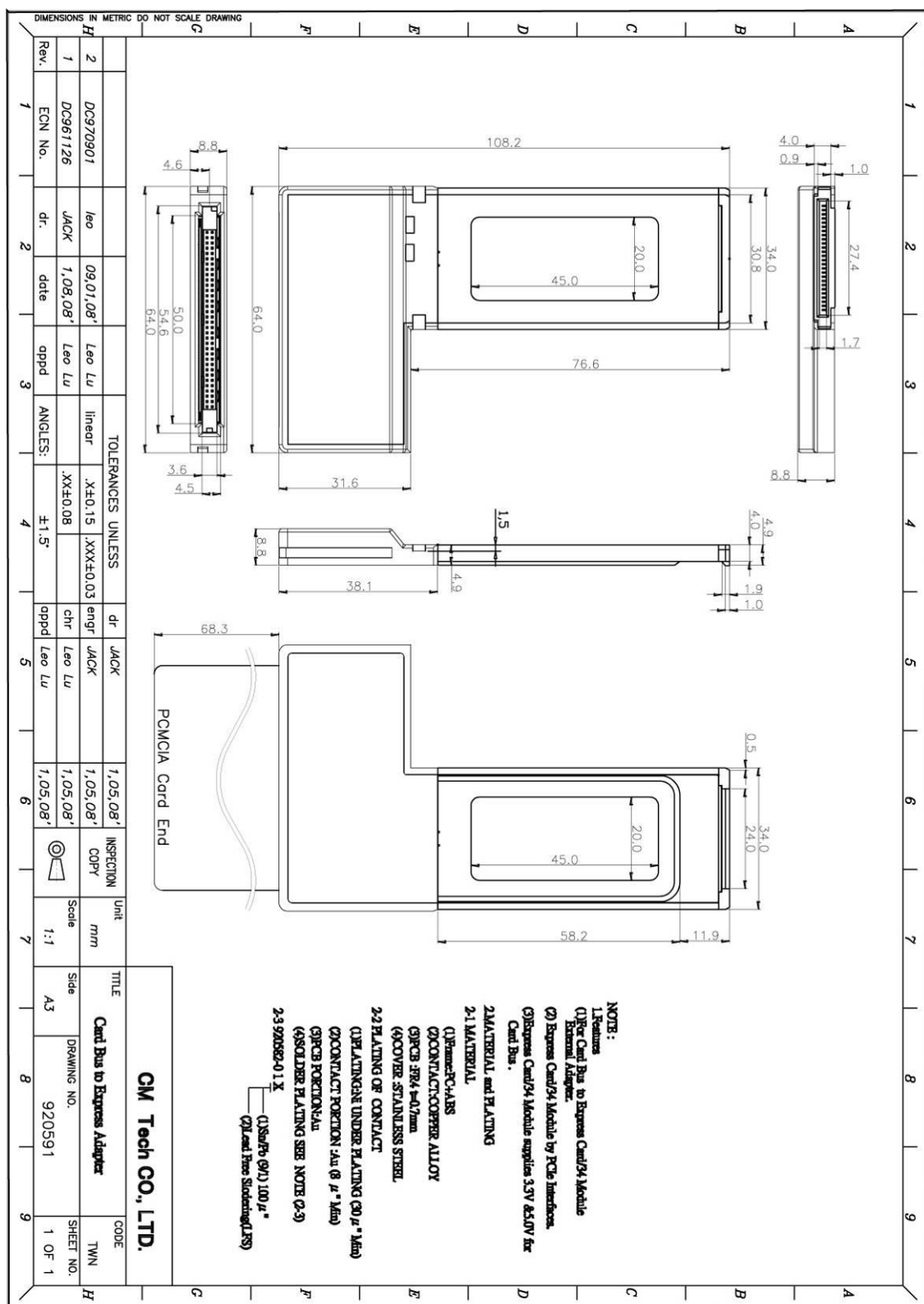
#### **3.1 Standard Accessories**

- CBECA-C02 Adapter x1

#### **3.2 Optional Accessories**

- Front Label x1
- Back Label x1
- Gift Box Package x1

## 4 Mechanical Information













## 5 Compatibility Test Report

Platform: ASUS Notebook with ExpressCard Socket

Operating System: Windows Vista

PCMCIA/ CardBus	Photo	Result
Wireless LAN Card		Pass
SD/MMC Memory Card Adapter		Pass
CF Memory Card Adapter		Pass
Smart Card Adapter		Pass
ExpressCard Adapter		Pass
USB Interface Card		Pass
USB & 1394 Interface Card		Pass
ESATA Interface Card		Pass

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## 6 Safety Certificate

### 6.1 CE

ISL International Standards Laboratory <http://www.isl.com.tw>

*Certificate*

Issue Date: 2010/01/11  
Ref. Report No. ISL-10HE006CE

Product Name: : PCI-E ExpressCard to PC Card Adapter  
Model(s) : **CBECA-C02**  
Responsible Party : **C-MING TECHNOLOGY Co., LTD.**  
Address : 2F., No. 104, Minzu Rd., Sindian City,  
Taipei County 231, Taiwan

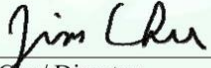
We, **International Standards Laboratory**, hereby certify that:

The device bearing the trade name and model specified above has been shown to comply with the applicable technical standards as indicated in the measurement report and was tested in accordance with the measurement procedures specified in European Council Directive- EMC Directive 2004/108/EC. The device was passed the test performed according to :

**Standards:**

EN 55022:2006 / CISPR 22:2005 / AS/NZS CISPR 22: 2006  
EN 61000-3-2: 2006 and IEC 61000-3-2: 2005  
EN 61000-3-3: 1995+A1: 2001+A2:2005 and IEC 61000-3-3: 1994+A1: 2001+A2: 2005  
EN55024:1998+A1:2001+A2:2003 / CISPR 24:1997+A1:2001+A2:2002  
EN 61000-4-2: 1995+A1: 1998+A2: 2001 and IEC 61000-4-2: 1995+A1: 1998+A2: 2000  
EN 61000-4-3: 2006 and IEC 61000-4-3: 2006  
EN 61000-4-4: 2004 and IEC 61000-4-4: 2004  
EN 61000-4-5: 2006 and IEC 61000-4-5: 2005  
EN 61000-4-6: 2007 and IEC 61000-4-6: 2003+A1:2004+A2: 2006  
EN 61000-4-8: 1993+A1: 2001 and IEC 61000-4-8: 1993+A1: 2000  
EN 61000-4-11: 2004 and IEC 61000-4-11: 2004

I attest to the accuracy of data and all measurements reported herein were performed by me or were made under my supervision and are correct to the best of my knowledge and belief. I assume full responsibility for the completeness of these measurements and vouch for the qualifications of all persons taking them.

  
Jim Chu/ Director

**International Standards laboratory**  
**Lung-Tan LAB:**  
No. 120, Lane 180, San Ho Tsuen, Hsin Ho Rd.  
Lung-Tan Hsiang, Tao Yuan County 325, Taiwan  
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22117, Taiwan.  
Tel: 886-2-2646-2550; Fax: 886-2-2646-4641

## 6.2 FCC

# Certificate

Issue Date: 2010/01/11  
Ref. Report No. ISL-10HE006FB

Product Name: : PCI-E ExpressCard to PC Card Adapter  
Model(s) : **CBECA-C02**  
Applicant : **C-MING TECHNOLOGY Co., LTD.**  
Address : 2F., No. 104, Minzu Rd., Sindian City,  
Taipei County 231, Taiwan

We, **International Standards Laboratory**, hereby certify that:

The device bearing the trade name and model specified above has been shown to comply with the applicable technical standards as indicated in the measurement report and was tested in accordance with the measurement procedures specified. (refer to Test Report if any modifications were made for compliance).

**Standards:**

FCC CFR Title 47 Part 15 Subpart B: 2008- Section 15.107 and 15.109

ANSI C63.4-2003

Industry Canada Interference-Causing Equipment Standard ICES-003 Issue 4: 2004

**Class B**

I attest to the accuracy of data and all measurements reported herein were performed by me or were made under my supervision and are correct to the best of my knowledge and belief. I assume full responsibility for the completeness of these measurements and vouch for the qualifications of all persons taking them.

We certify that no party to this application has been denied the FCC benefits pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988.21 U.S.C. 853(a)



Jim Chu/ Director

**International Standards Laboratory****Lung-Tan LAB:**

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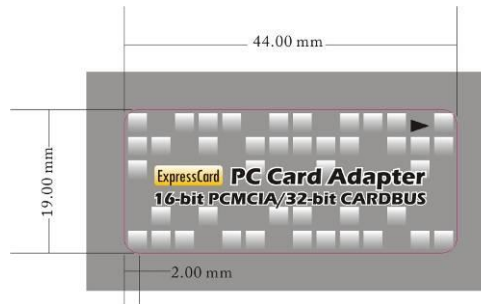
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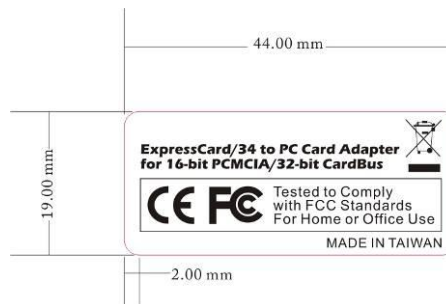
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## 7 Packing

### 7.1 Front Label



### 7.2 Back Label



### 7.3 Giftbox



## **Appendix**