

## CV74X0(C)-X Fingerprint / Contact / Contactless Smart Card Handheld Reader

CV74X0(C)-X is high performance fingerprint handheld reader. It supports contactless smart card technology ISO15693, ISO14443A MIFARE®, ISO14443A/B, and contact smart card technology ISO7816 separately. With high resolution sensor and stable fingerprint algorithm, CV74X0(C)-X achieves high security and perfect application to meet customer requirement.

Fingerprint Handheld reader can be used in following fields:

- ✚ Mobil Time Attendance
- ✚ Driver License
- ✚ Personal Identification
- ✚ Public Transportation
- ✚ Data Collection
- ✚ E-Payment

CV74X0(C)-X installs BIOS to manage all the low-level works, users could only concentrate on the high-level development. In order to accelerate user's software developing, SDK with robust API library and IDE tools(C & ASM language) is available, which can ease users to visit reader database and upload data.

CV74X0(C)-X is powered by Li-battery or USB port (connecting with PC). It equips a 32-bit low-power microprocessor with 2M-byte (expandable up to 8M) flash memory and 512K byte SRAM. Users can store program into SRAM, and collect data into flash memory.

Via GPRS/GSM module, CV74X0(C)-X can send the data collected as email/SMS to other devices like Computer, Mobil Phone wirelessly.

The fingerprint reader can be used in harsh environment thanks to its special casing design. The power down function enables it to be an ideal platform for mobile application.

### ➤ Fingerprint Handheld Reader Family members are:

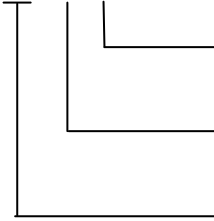
|                           |   |
|---------------------------|---|
| <a href="#">CV7400-X</a>  | Fingerprint                                   |
| <a href="#">CV7410-X</a>  | Fingerprint + ISO15693, ISO14443A/B           |
| <a href="#">CV7420-X</a>  | Fingerprint + ISO14443A/B                     |
| <a href="#">CV7460-X</a>  | Fingerprint + ISO14443A MIFARE®               |
| <a href="#">CV7400C-X</a> | Fingerprint + ISO7816                         |
| <a href="#">CV7410C-X</a> | Fingerprint + ISO15693, ISO14443A/B + ISO7816 |
| <a href="#">CV7420C-X</a> | Fingerprint + ISO14443A/B + ISO7816           |
| <a href="#">CV7460C-X</a> | Fingerprint + ISO14443A MIFARE® + ISO7816     |

### Advantages

- ✚ High security: fingerprint, fingerprint plus smart card technology
- ✚ 32-bit low-power microprocessor with 2M-byte (up to 8M) flash memory and 512K byte SRAM for programming and data storage
- ✚ Suitable for harsh environment
- ✚ Flexible interface: RS232 or USB (GSM / GPRS as optional)
- ✚ External printer could be connected by COM interface
- ✚ Lower power consume: power down function
- ✚ Powered by high capacity rechargeable Li-battery or USB port
- ✚ SDK includes robust API functions and IDE tools, easy for customer's further development
- ✚ High security by using two SAM slots
- ✚ Data transmitting via wireless

## Order Code

CV74X0(C)-X



Interface  
 2 - RS232  
 U - USB  
 G - GSM / GPRS  
 C - ISO7816

Technology  
 40 - Fingerprint  
 41 - Fingerprint + ISO15693,  
 ISO14443A/B  
 42 - Fingerprint + ISO14443A/B  
 46 - Fingerprint + ISO14443A  
 MIFARE®

## Product Images



CV74X0(C)-X  
 190\*81\*29mm

## Specifications

| Module                | CV7400   | CV7410                               | CV7420                     | CV7460                          | CV7400C                              | CV7410C   | CV7420C  | CV7460C  |
|-----------------------|--|--------------------------------------|----------------------------|---------------------------------|--------------------------------------|---|--|--|
| Technology            | Fingerprint  | Fingerprint + Contactless            |                            |                                 | Fingerprint + Contact                | Fingerprint + Contactless + Contact                     |  |  |
| Technology            | Fingerprint  | Fingerprint + ISO15693, ISO14443 A/B | Fingerprint + ISO14443 A/B | Fingerprint + ISO14443A MIFARE® | Fingerprint + ISO7816, SAM card      | Fingerprint + ISO15693, ISO14443A/B + ISO7816, SAM card | Fingerprint + ISO14443 A/B + ISO7816, SAM card | Fingerprint + ISO14443 A MIFARE® + ISO7816, SAM card |
| SAM Slot              | Two small SAM slots  |                                      |                            |                                 | One big SAM slot, one small SAM slot |   |  |  |
| Display               | Graphic model LCD with backlight   |                                      |                            |                                 |                                      |   |  |  |
| Keyboard              | 18 keys  |                                      |                            |                                 |                                      |   |  |  |
| Fingerprint Sensors   | UPEK   |                                      |                            |                                 |                                      |   |  |  |
|                       | 508 dpi  |                                      |                            |                                 |                                      |   |  |  |
|                       | < 300ms  |                                      |                            |                                 |                                      |   |  |  |
|                       | < 512 bytes (template size)  |                                      |                            |                                 |                                      |   |  |  |
| ESD tolerance         | IEC61000 ±12kV air discharge   |                                      |                            |                                 |                                      |   |  |  |
| Interface             | RS232, USB   |                                      |                            |                                 |                                      |   |  |  |
| Memory                | 512K SRAM, 2M byte flash memory (expandable up to 8M)                      |                                      |                            |                                 |                                      |   |  |  |
| Time Function         | With real clock  |                                      |                            |                                 |                                      |   |  |  |
| Power Supply          | Li-battery powered (>1100mAH, stand-by time: 5-7days), USB-powered         |                                      |                            |                                 |                                      |   |  |  |
| Temperature           | -20°C ~ +60°C / -4°F ~ +140°F  |                                      |                            |                                 |                                      |   |  |  |
| Accessory             | Roping, Data Cable   |                                      |                            |                                 |                                      |   |  |  |
| Housing               | ABS, industrial class  |                                      |                            |                                 |                                      |   |  |  |
| Wireless Transmission | <p>With GPRS/GSM module, CV74X0(C)-X can send email and SMS wirelessly</p> |                                      |                            |                                 |                                      |   |  |  |

Specifications are subject to change without notice.

## Software Development Kit

### CV74X0(C)-X-DK

|   |     |
|---|-----|
| Roping                                  | 1pc |
| Data Cable                              | 1pc |
| CD (Documentation and Software package) | 1pc |