



ZOWEETEK®



ZOWEETEK รุ่น ZW-12026-5

- เครื่องอ่านบัตรประชาชน บัตรสมาร์ทการ์ด
- สามารถอ่านข้อมูลในบัตรแบบอนกประสงค์ (Smart Card) ตามมาตรฐาน ISO/IEC 7816 ได้
- ตัวเครื่องขนาดพกพา ใช้งานง่าย
- มีไฟแสดงผล
- สามารถใช้งานผ่านช่องเชื่อมต่อแบบ USB 2.0
- **ไม่รองรับการใช้งานร่วมกับ โทรศัพท์มือถือหรือสมาร์ทโฟน**
- การรับประกันสินค้า 30 วัน
- ออกใบกำกับภาษีเต็มรูปให้ทุกรายการ

SPECIFICATION

| Item Name | Specifications |
|---------------------------------|--|
| Model No. | USB 2.0 Smart Card Reader ZW-12026-5 |
| Host Interface | Host Interface USB 2.0 CCID1 (also compliant with USB 1.1) |
| Transmission Speed | 12 Mbps (USB 2.0 full speed) |
| Power Supply | Bus powered Smart Card Interface |
| Standards | ISO 7816 & EMV2 2000 Level 1 |
| Protocols | "T=0, T=1, 2-wire: SLE 4432/42 (S=10), 3-wire: SLE 4418/28 (S=9), I2C (S=8)" |
| Card Size | ID-1 (full-size) |
| Smart Card Interface Speed | 420 Kbps (when supported by card) |
| Smart Card clock frequency | Up to 4 MHz |
| Supported card types | "5V, 3V and 1.8V Smart Cards ISO 7816 Class A, AB and C" |
| Power to Smart Card | 60 mA |
| Status Indicator | Other Features Dual color LED |
| Customer specific logo or label | Options On request |
| Customer specific colors | On request |
| PC/SC Driver Support | Windows® 98 / ME, 200 / XP (32bit), 2003 Server Windows® CE 5.0 (depending on hardware) Windows® Vista (32bit / 64bit) Windows® 7 Linux® |
| Operating temperature | Hardware Specifications 0°-55°C / 32-131°F |
| Operating humidity | 10-90% rH |
| Composition | ABS |
| Connector cable | 100 cm / 70.9" |
| Durability | 100.000 insertions |
| Meantime between failure (MTBF) | 500.000 hours |
| Carton Dimension | Packing Detail 55 x 33 x 27 cm |
| Carton/pcs | 100 pcs /Ctn |
| N.W. | 10.5 kg |
| G.W. | 11.5 kg |



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1. Introduction

1.1 Description

AU9540 is a highly integrated single chip USB Smart Card reader controller. Highly integration enables the lowest BOM cost of smart card reader. The AU9540 supports multiple international standards including ISO7816 for IC card standard, PC/SC 2.0 for windows smart card standard, Microsoft WHQL, EMV for Europay MasterCard Visa standard and USB-IF CCID standard. The application of AU9540 can be generally applied to Smart Card read/write terminal device, such as ATM, POS terminal, Public telephone, E-Commerce, personal consumption on Internet, personal certification, prepaid system, loyalty system...etc.

1.4 Features

- Package
 - 28 SSOP

- Standard Compliance
 - Support EMV Level 1 specification
 - Support USB 2.0 full speed
 - Based on ISO7816 implementation
 - Support PC Smart Card industry standard – PC/SC 2.0
 - Support Microsoft Smart Card for Windows
 - Meet Microsoft WHQL USB Smart Card Reader requirements
 - Meet US Federal Information Processing Standards (FIPS) Publication 201 requirements on smart card reader interoperability

- Features
 - Support single slot
 - Support T0, T1 protocol
 - Support I2C memory card, SLE4418, SLE4428, SLE4432, SLE4442, SLE4436, SLE5536, SLE6636, AT88SC1608, AT45D041 card and AT45DB041 card via external EEPROM
 - Support ISO7816 Class A, B and C (5V/3V/1.8V) card
 - Implemented as an USB full speed device with bulk transfer endpoint, Mass Storage endpoint
 - Built-in PLL for USB and Smart Card clocks requirement
 - Support EEPROM for USB descriptors customization (PID/VID/ iManufacturer/ iProduct/Serial Number), Direct Web Page Link, and accessing memory card module.
 - EEPROM programmable via USB interface
 - Support software update for memory card module
 - Support Direct Web Page Link via configuration in external EEPROM
 - Support short APDU and extended APDU
 - Compatible with Microsoft USB-CCID driver
 - Support remote wake up through inserting card/removing card
 - Support USB selective suspend
 - Support Power Saving Mode (Using one pin to select between Normal/PWR Saving Mode)