



Acer Bus Validator

Acer Bus Validator BV2 series

**Easy Bus Integration
Powerful Development Platform**

Acer BV2 series' large 4.3" color LCD display and modular design provide powerful tool for contactless ticket validation program.

Acer BV2 series are Bus Validators that can be adapted to serve existing contactless e-ticketing/store value systems. They can provide advanced contactless functionalities and interactive display for transaction details for customers. The large 4.3" color LCD display allows e-ticketing operators to display not only those meaningful transaction information but also vivid animation and multi-media commercial clips. This gives the e-ticketing operators opportunities to promote and demonstrate their capabilities and services.

Acer BV2 series are also equipped with 4 SAM slot modules allowing for multiple e-ticketing operators to share a single box of ticketing information collection. Thus they are excellent candidate in the environment that multiple e-ticketing operations integration is needed and/or single operator seeking for existing card migration.

With Acer BV2 series' modular design, changing the supporting communication method is just a module change. Thus you can easy turn the device among various kinds of communication interfaces such as wired, Wifi or GPRS/3G etc... The operators can also choose to use their own kind of contactless readers simply by replacing the existing one.



Benefits:

1. Large 4.3" color LCD interactive Display: Display transaction key information and/or animation advertisement and/or multi-media commercial clips.
2. 4 SAM slot: Capable of supporting different e-ticketing operators
3. Modular Comm. Design: Capable of support different communication method. Such as wired connection, Wifi, GPRS/3G etc.
4. Driver Controller device: Allowing bus driver to be able to perform complex operations against bus validator Unit.
5. Extra External connection interface: Capable of connecting to other external devices, such as GPS, real time traffic control system, bus stop display system etc...

Acer BV2 series supports multiple contactless interface standards. Such as generic ISO 14443 type A and type B, Mifare, MasterCard paypass magnetic strip and MasterCard Cash applications.

Key Features

1. Accepts MasterCard Paypass Magnetic-strip, MasterCard Cash and Mifare cards.
2. Supports multiple charging schemes: fix rate, variable rate and manual key-in
3. Implements fully automatic fare calculation: using GPS to navigate through all the pre-set routes
4. Support multiple transaction data transmission method: wired connection, WiFi, GPRS, or USB device
5. Enables large storage design, capable of storing more than 50,000 black list and more than 1000 routes with more than 200 bus stops
6. Creates friendly and interactive user interface – large display for customers and driver, equipped with beeper and LED indicator. Easy to distinguish a successful transaction from a failure one even in a noisy environment
7. Robust and reliable:
 - a \ Support Unstable voltage supply – support delay on/off mechanism an accept 10-40V DC power input
 - b \ Support consistent vibrate – using connector specially catered for car environment to make it firmly connected.
 - c \ Suitable for critical weather condition: kept fully functional through high/low temperature and high/low humidity
8. Fully automatic transaction transfer mechanism, no manual attention need.



Specifications:

Hardware

| | |
|-----------------------|--|
| Contactless Interface | 13.56MHz ISO 14443 Type A/B MasterCard PayPass Mifare |
| CPU | 32 bits Micro processor |
| Memory | 128MB RAM |
| Storage | At least 512MB |
| Display | 4.3" color TFT LCD |
| Options | Wifi modules Extra SAM modules GPRS modules GPS modules Driver Controller Device |

Physical

| | |
|-----------|------------------|
| Dimension | 300x200x100 (mm) |
| Weight | 3Kg |

Environmental

| | |
|-----------------|----------------------|
| Operating Temp. | 5 to 55°C |
| Storage Temp | -20 to 60°C |
| Humidity | 20% to 95% non-cond. |

Power

Contact Information

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