

DIVA2 Base (hardware revision 5) / v13

The Universal interface adapter DIVA2 performs various tasks on the Vending Machine. It can be combined with automats and payment systems of all manufacturers and solves the tasks as an interface converter with a complete accounting system in an extraordinary way. The mounting in the automat is very simple, thanks to minimal measurements and flexible mounting options.

In spite of large-scaled equipment, DIVA2 can be extended with numerous enlargements even on site in the field if needed. An expansion to a complete Cashless system like Legic and Mifare is feasible. New technologies can be retrofit as *Options* or *Extensions*. As a result, you benefit from a high investment protection, thanks to great reserve in performance and memory capacity.



CONVERTER ■ PAYMENT SYSTEMS ■ STATISTICS ■ TELEMETRY

pic: DIVA2

Advantages:

- Supports of all major cash or cashless payment systems on the market.
- All serial interfaces are on board.
Parallel interfaces 1 Price, photo copier, laundry machines with additional hardware
- Efficient architecture with open interfaces for the adaption of Third Party Systems (cash registers, databases, cashless)
- Software compatibility with DIVA: one software – multiple target hardware
- Extensive accounting possibilities: EVADTS, HTML and single transactions based on XML
- Expandable with stackable options (2 units). As a result, almost any combination of enlargements is possible.
- Internal extension possibility with extension (GPRS modem or other)
- Protocol converter or complete payment system: extendable to Legic/Mifare reader, handheld, telemetry box, till reader, loader and others

Features:

Basic functions software according to DIVA v5.90

- Multitasking RTOS with 2 Flash-file systems (TFS+FAT32)
- SD Card slot for the enlargement of the internal flash memory for almost unlimited storing possibilities: transactions, firmware update, clone, Black/White list etc.
- Push-button for various interaction
- Ethernet 10Base-T for online networking Spider and Internet connection
- Plug'n play Options and Extensions
- Configuration with Handheld/PC over IrDA, RS232, USB, Ethernet, Bluetooth
- Robust case in Novarex semi transparent (LEDs, IR)
- Optional: LCD display 2x16 characters
- Integrated IrDA interface for communication and data transfer without cable
- User interface with LEDs (red-green) and buzzer
- Over 20 communication protocols: Vending standards and proprietary
- USB Host for Memory Stick
- USB Device for direct PC connection
- I2C Interface for external extensions
- Variant with Vending interface or with CCI Interface
- Customized branding on request

ordering coordinates:

art.no.: D2.01.000.01
description: DIVA2 Base VM

D2.01.000.05
DIVA2 Base CCI



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Interfaces:

Top, upper side:

- - s1: MDB Slave/ BDV-Exe Master or CCI coffee machine, Power In
- set: button for various functions
- SIR: IrDA

In front (from top to bottom):

- s4: MDB Master
- s5: Executiv Slave / RS232
- LAN: Ethernet 10BASE-T/100BASE-TX (IEEE 802.3)
- s2: RS232 (IR, display, printer, payment system a.o.)
- p7: GPIO 1xIn, 1xOut, external IrDA
- s7.3: RS232, TTL, configuration/firmware download/EVADTS
- USB Device Typ B (*future version*)
- USB Host Typ A (*future version*)
- p8: I2C I/O Expander
- SD: SD/MMC card slot



Technical Data:

- mounting: steal base plate or velcro
- input voltage: 12-45VDC, standby current without load: 50 mA
- 8 LED reports: status Red+Green, SD card busy, 2xVM communication, 2xLAN (plug) + status network
- Processor: 32 Bit, 150 MHz
- Memory:
 - Flash: 8 MB Code (Rev.4:4 MB), 1 MB Data
 - RAM: 8 MB SDRAM, 512 kB NVRAM
- serial interfaces:
 - 11 x asynchronous, 2x synchronous (I2C, SPI)
 - 2xUSB, Ethernet RJ45, 10Base-T
- RTC with exchangable Li-battery
- Housing: Novarex, anthracite, luminescent
- IrDA interface compatible with all PDAs
- Buzzer
- RTC
- Temperatur range: 0 to 70°C, stock: -40° to +85°C
- humidity: 95% relative humidity, not condensing
- dimensions:
 - Base: 75 x 140 x 40 mm
 - Base with Extension: 75 x 140 x 40 mm
 - Base + Option: 75 x 140 x 65 mm
 - Base + 2xOption: 75 x 140 x 85 mm



Accessories:

- Option211: Legic Multistandard RFID reader
- Option206: 2xRS232 or CAN, parallel coin mec, parallel display
- Extension216: internal display, keyboard, battery
- Extension204: GSM/GPRS Modem

More will follow

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