

## DIVA2 Base (hardware revision 7)

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, Mifare and Mobile 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.



### Advantages:

- Supports of all major cash or cashless payment systems on the market.
- All serial interfaces are on board.  
Parallel interfaces for 1 Price machines, 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 various DIVA derivatives: one software – multiple target hardware
- Extensive accounting possibilities: EVADTS and single transactions
- Expandable with stackable options (2 units). As a result, almost any combination of enlargements is possible.  
pic: DIVA2
- 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 SN106

- Multitasking RTOS
- SD Card slot for the enlargement of the internal flash memory for almost unlimited storing possibilities: transactions, firmware update, clone 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, Ethernet
- Robust case in Novarex semi transparent (LEDs, IR)
- Integrated IrDA interface for communication and data transfer
- User interface with LEDs and buzzer
- Over 20 communication protocols: Vending standards and proprietary
- I2C Interface for external extensions
- Variant with Vending interface or with CCI Interface
- Optional: display Android or 2x16 characters

ordering coordinates:

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

D2.01.000.05  
DIVA2 Base CCI



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## Interfaces:

Short side:

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

Lateral (long side from left to right):

- 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,
- s7.3: RS232, TTL, configuration/firmware download/EVADTS. External IrDA
- p8: I2C I/O Expander
- SD: SD/MMC card (V1, V2) und SDHC Support



## Technical Data Hardware:

- mounting: steal base plate or velcro
- input voltage: 12-45VDC, max. current without load: 500 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)
  - Ethernet RJ45, 10Base-T, automatic straight/cross connection (Auto-MDIX)
- 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:

- Option218: Legic Multistandard RFID reader
- Option206: 2xRS232, parallel coin mec, parallel display
- Extension216: internal display, keyboard, battery
- Extension204: LTE GSM/GPRS Modem

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