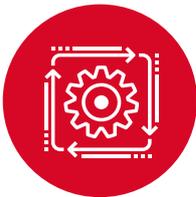# BV1000K&R

Payment technology at your service

ATTRACT
INTERACT
TRANSACT

Robust

Thanks to its robust design it can be used both indoor environment and outdoor environment with harsh conditions.

Secure

Satisfy the latest security requirements hardware and software. Certified to the international standards CE, EMV L1 and L2, and domestic CB2

User-friendly

Easy to use, designed for all self-service solution: Retail, Hospitality, Petrol, Vending and Transportation

BV1000K&R

BV1000K & BV1000R

+ PRODUCT

- Robust
- Secure
- User-friendly

MAIN CHARACTERISTICS

The unattended BV1000 series allows to manage secure payment transactions with credit and debit cards with both technology: magnetic and chip. Adapted for petrol stations, vending machines, car parks and in general on all ISELF kiosks in a safe and certified way.
Compliant with EVA requirements,, easy the be integrated in the kiosk machine thanks to the proprietary "retail protocol"

BV1000 consists of a PinPad (BV1000K) and a Reader (BV1000R).

BV1000K

ARCHITECTURE : Dual ARM Processor 32 bit

MEMORIES : 512K Internal Flash 8+4MB Data Flash

DISPLAY : 2,4 inch Graphic Oled 128x64 dots Yellow

KEYPAD : 16 keys

POWER SUPPLY : 5V DC, 150mA from BV1000R

SIZE : 85,6x108,1x29,7 mm (WxHxD)

CUTOUT : 85,6x108,1 mm (WxH)

WEIGHT : 205 grams

ENVIRONMENT : -25°C ÷ +70°C

SEALING : IP65

SHOCK : IK10

SECURITY : Sign and authentication of loaded applications - Life cycles of the device

BOOTING TIME : 700 ms

HOUSING : Tecno-Polymer

CONFORMITY : CE, FCC, ROHS,PCI PTS 6

BV1000R

ARCHITECTURE : Dual ARM Processor 32 bit

MEMORIES : 512K Internal flash, 8MByte NOR flash, 4MByte PSRAM, 8+4MByte Dataflash

MAGNETIC READER : Traces 1/2/3

CONTACT READER : Asynchronous or Synchronous Chip Card

SAM READERS : 3 SAM module connectors

COMMUNICATION : 4 RS-232 serial ports, 1 USB 2.0 OTG, 1 Ethernet 10/100 MB

POWER SUPPLY : D.C. 8 to 30V 1W full speed, 40µA stand-by

SIZE : 100 x 66,3 x 112,8 mm (WxHxD)

CUTOUT : 74 x 62 mm (WxH)

WEIGHT : 345 grams

ENVIRONMENT : -25°C ÷ +70°C

SEALING : IP54

SHOCK : IK10

DEVELOPMENT : SDK under Eclipse, GCC compiler & GDB

SECURITY : Sign and authentication of loaded applications - Life cycles of the device. Mutual authentication and encryption towards the PinPad module

CERTIFICATION : CE, FCC, ROHS, EMVCO L1, EMVCO L2, TQM, PCI PTS 5, PCI SRED. BANCOMAT CB2