



CARD
PAYMENTS
EMV COMPLIANT CARD PAYMENT SOLUTIONS



BV 1000 Series



PCI PTS LEVEL 3.1 & EMV COMPLIANT

Compact and low power payment solution for
Unattended and Self Service applications

EMV card reader and optional Pinpad and Contactless reader

Fully complies with latest PCI PTS 3.1 standard

Ideal where low power consumption is needed

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UCP inc.
6635 South Tenaya Way Suite 100
Las Vegas, Nevada 89113

Tel: 702-802-3504
Email: Info@ucp-inc.com
Web: www.ucp-inc.com



BV 1000 Series

Applications

The BV1000 product line has both low power consumption and fast boot up capability from sleep mode, ideal for Car Parking, Vending and Self-Service solutions where PIN entry is not required. The card reader is the terminal so it can operate as a card reader on its own or with PIN pad and / or contactless reader offering the widest range of configuration options.

Security

The BV1000 product line complies with PCI PTS 3.1, EMV level 1 and Level 2, SRED, as well as contactless Paywave and Paypass conformity, it is fully certified for use as an unattended payment device. The BV1000R card reader can accept magnetic stripe cards as well as EMV chip cards.

Connectivity

The BV1000 range can communicate via RS232, USB, Ethernet or MDB protocols, offering maximum connection flexibility.



BV1000K MAIN FEATURES

ARCHITECTURE: Dual ARM Processor 32 bit
 MEMORY: 512K internal flash, 8=4MB data flash
 DISPLAY: LED 2.4" Graphic 128x64 dots
 KEYBOARD: 16 Key
 SIGNALLING: Magnetic acoustic buzzer
 COMMUNICATIONS: 2 X Serial Port
 CONFIGURATION: Automatic
 POWER SUPPLY: 5V DC, 200mA from BV1000, Stand-by 50uA
 CONSUMPTION: full speed 1W, 40uA standby, 10uA battery
 BATTERY BACK-UP: Primary Lithium
 SIZE: 85.6x108.1x26.7mm (WxHxD)
 CUT AREA: 85.6x108.1mm (WxH)
 WEIGHT: 150 grams
 OPERATING TEMP: From -25° to +70°C
 STORAGE TEMP: From -30° to +70°C
 HUMIDITY: 5-95% non condensing
 ENVIRONMENT: IP65, IK10
 OPERATING SYSTEM: Open Rtos
 CIPHERING: 3DES, RSA, AES128
 HOUSING: Tecno-Polymer
 CONFORMITY: CE, FCC, ROHS, PCI PTS3.1



BV1000R MAIN FEATURES

ARCHITECTURE: Dual ARM Processor 32 bit
 MEMORY: 512K internal flash, 8Mbyte NOR FLASH, 4M Byte PSRAM, 8=4MB data flash
 MAGNETIC READER: Traces 1/2/3
 CONTACT READER: Asynchronous/Synchronous Chip Card
 CLASS DRIVER: CLRC663
 SAM READER: 3X SAM module connector
 COMMUNICATIONS: 4X RS-232 serial ports, 1 USB2.0 OTG, 1 Ethernet 10/100 MB, GPRS cl10 quad band (dongle on cable), MDB interface
 POWER SUPPLY: DC from 8 to 34V Power consumption 1W full speed, stand-by < 1mW
 BATTERY BACK-UP: Primary Lithium
 SIZE: 100.2x70.5x118.2mm (WxHxD)
 CUT AREA: 74x62mm (WxH)
 WEIGHT: 180 grams
 OPERATING TEMP: From -25° to +70°C
 STORAGE TEMP: From -30° to +70°C
 HUMIDITY: 5-95% non condensing
 ENVIRONMENT: IP34, IK10
 OPERATING SYSTEM: Open Rtos
 CIPHERING: AES128, TDES
 DEVELOPMENT: SDK under IAR EWARM
 CONFORMITY: CE, FCC, ROHS, EMV Level L1 & L2, TQM, PCI PTS 3.1



BV1000CL MAIN FEATURES

ARCHITECTURE: Dual ARM Processor 32 bit
 MEMORY: 512K internal flash, 8Mbyte NOR FLASH, 4M Byte PSRAM, 8=4MB data flash
 LEDES: 4 green leds for contactless transaction status 1 RGB led for device status
 SIGNALING: Magnetic Buzzer
 CLASS DRIVER: CLRC663
 SAM READER: 1SAM module connector
 COMMUNICATIONS: 4X RS232 serial ports, 1 USB2.0 OTG, 1 Ethernet 10/100 MB, GPRS cl10 quad band (on external cable), MDB interface
 POWER SUPPLY: DC from 8 to 30V or 5V from BV1000
 CONSUMPTION: full speed 1W, 40uA standby, 10uA battery
 BATTERY BACK-UP: Primary Lithium
 SIZE: 86x21x86mm (WxHxD)
 WEIGHT: 100 grams
 OPERATING TEMP: From -25° to +70°C
 STORAGE TEMP: From -35° to +70°C
 ENVIRONMENT: IP65, IK10
 BOOTING TIME: 700 mS
 HOUSING: Tecno-Polymer
 CONFORMITY: CE, FCC, ROHS, EMV lev.1, EMV Class L1 & L2, TQM, Paypass, Paywave, PCI SRED, ISO/IEC 14443A/MIFARE, ISO/IEC 14443B, IS x 6319-4

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