

MAGPAY 101

Payment terminal



RELIABLE
SECURE
PCI PTS, P2PE, CB5.5



Reliable

The MAGPAY 101 enjoys an exceptional design and unsurpassable components. It is renowned for its reliability and its ease of maintenance.



Secure

The MAGPAY 101 is a highly secure pump payment system, both for your station and your clients. It protects against both skimming and shimming attacks. The responsive Tamper configuration of the card reader prevents the magnetic strip from being fully read, providing effective defence against attacks.



PCI PTS, P2PE, CB5.5

The MAGPAY 101 offers the very highest level of security available to the card payment industry. Subject to intensive regulations, the MAGPAY 101 is the most effective solution to protect the confidential information on your clients' cards.

MAGPAY 101

+ PRODUCT

- A new highly secure payment terminal
- A new car reader with reinforced security
- Protection of sensitive cardholder data via P2PE
- Full user comfort with a 10.1" PCAP Touch screen

TECHNICAL CHARACTERISTICS

REINFORCED CARD READER SECURITY

MAGPAY 101 protects against skimming and shimming attacks. This new Tamper-responsive configuration prevents the magnetic strip from being fully read, detects the installation of a shimmer (sniffer) on the card chip connector and shuts the terminal down in the event of an attack, sending an alert to the ElysOnline server.

CARDHOLDER DATA SECURITY (OPTIONAL P2PE)

This option encrypts the sensitive cardholder data during exchanges with the payment gateway. The keys and certificates are injected into the terminal via the TMS server, which is in turn connected to a secure room containing the HSM via a VPN.

CONTACTLESS PAYMENT (OPTIONAL)

PCI PTS contactless reader certified by MasterCard, Visa, AMEX and MIFARE compatible

TERMINAL CONFIGURATION

The single MAGPAY 101, when in disability configuration, allows you in option to integrate the on-board version of the ELYS site controller. This allows the distributor units to be managed autonomously. A 150 or 300mm base is available to raise the level of the terminal.

INTEGRATION INTO FUEL DISPENSERS

In order to facilitate on-site maintenance, we offer a single APL 3.5 model for all integration kits.

CLIENT SUPPORT (OPTIONAL)

The videophone allows the client to call the operator and communicate via the integrated camera and audio system.

PRINTER

- Thermal 2" USB printer with presenter
- 180mm diameter paper roll
- Barcodes (EAN, QR Codes) and logo printing

BARCODE SCANNER (OPTIONAL)

A 2D barcode scanner for EAN and QR codes, allowing you to scan coupons, pre-paid ticket and loyalty cards.

CASH PAYMENT

Specific terminals can issue a pre-paid ticket for each note entered. One or several tickets can then be scanned during a single transaction by the optional barcode scanner.

DEVELOPMENT PLATFORM

A development platform (SDK) allows integrators to develop on-board applications using the «AOS» framework by MADIC industries. This makes it easier to port applications and access material and software applications.



OTHER SPECIFICATIONS

- Digital microphones and speakers – intercom function
- 1 SAM slot on the card reader
- Anti-vandal (IK10)
- Optional Motion detector radar
- LEDs (RGB) to guide users

3 DEDICATED PROCESSORS

- 1 secure ARM Cortex A5 500 MHz with Trust Zone, 128MB DDR2 RAM, 8Go eMMC FLASH
- 1 multimedia, multi-core ARM cortex A53 processor with 3D graphic accelerator and Trust Zone, 1GB DDR3 RAM, 4GB eMMC FLASH
- 1 ARM Cortex-M4 32bits 100 MHz processor with 256KB Flash, 128 KB SRAM
- The 2 primary processors use «Trusted Execution Environment» (TEE) technology

- Optional light meter to control screen brightness
- Sensors for temperature, humidity, pressure (barometer), accelerometer, compass
- 5 RS232, 7 USB type A, 1 USB OTG micro USB, 2 Ethernet RJ45 (10/100/1000) baseT), 1 micro HDMI, 1 micro SD slot
- Functional temperature range -20 / + 60°C
- Power supply : 24V DC 120W
- Compact design for integration into existing fuel dispensers
- Weight : 10kg without optional extras
- Available in single-screen, disability accessible, with 150 or 300mm raised platform, optional integrated Elys and two-sided screen

CUTTING EDGE TECHNOLOGY

- OS : Linux (REE), Chibios (TEE). Secure Boot
- Automatic system recovery in the event of an anomaly
- Connection to a TMS server (terminal management system) : configuration files, software update, RKL (remote key loading)
- New : MAGPAY 101 updates without interrupting the station
- Connection to an Asset Tracking server
- Secure data exchange in TLS 1.2
- Multi-language with TTS voice synthesis
- H.264 D1 HW video display
- Troubleshooting menu
- Hardware and software inventory report
- Connection to the Elys site controller via Ethernet LAN
- Alerts relayed to the ElysOnline server
- Intercom or videophone (camera option) over IP
- Software development kit (SDK)
- HSM connection for key injection (DUKPT)

STANDARDS

- PCI PTS 5 SRED / OP (certification ongoing)
- GIE CB (France) : CB5.5, AFAS
- VISA, MasterCard, AMEX (contactless)
- EMV L1 & L2
- TQM
- CE, ROHS

CONTACT

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